



UNIVERSITY OF CENTRAL FLORIDA

UCF Stands For Opportunity

2013-2014 Undergraduate Catalog

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The UCF Creed

Integrity, scholarship, community, creativity, and excellence are the core values that guide our conduct, performance, and decisions. These values comprise the guiding principles that direct the actions of the University, its students, and its employees.

Integrity

I will practice and defend academic and personal honesty.

Scholarship

I will cherish and honor learning as a fundamental purpose of my membership in the UCF community.

Community

I will promote an open and supportive campus environment by respecting the rights and contributions of every individual.

Creativity

I will use my talents to enrich the human experience.

Excellence

I will strive toward the highest standards of performance in any endeavor I undertake.



UNIVERSITY OF CENTRAL FLORIDA

PEGASUS was the winged horse of the muses in Greek Mythology. It carried their hopes, their aspirations, and their poetry into the skies. PEGASUS is as futuristic as tomorrow's space exploration in our solar system and into the universe beyond. The seal also bridges the gap between the humanities and space technology.

UCF Stands For Opportunity

Mission Statement

The University of Central Florida is a public multi-campus, metropolitan research university that stands for opportunity. The university anchors the Central Florida city-state in meeting its economic, cultural, intellectual, environmental and societal needs by providing high-quality, broad-based education and experienced-based learning; pioneering scholarship and impactful research; enriched student development and leadership growth; and highly relevant continuing education and public service initiatives that address pressing local, state, national, and international issues in support of the global community.



Welcome to the University of Central Florida!

UCF stands for opportunity, and many possibilities for professional and personal growth await you. Work hard in your classes and participate fully in extra-curricular activities, and you will be rewarded with an excellent education along with experiences that will enrich your life.

Our classrooms, laboratories, and studios provide excellent venues for academic growth. But you will also learn important lessons when you volunteer to tutor grade-school students, play sports, get involved in student government, and participate in any of the numerous clubs and organizations on campus.

This is an exciting time to be a student at UCF. Our academic programs are setting the standard for institutions of higher education, our faculty members are nationally renowned for their teaching and research, our academic service-learning program is among the largest in the nation, and our athletic teams compete with the best in the country.

As you seize the opportunities at UCF, focus on reaching your full potential. Make the UCF Creed an integral part of your value system: practice personal honesty, cherish learning, respect the rights of every individual, enrich the human experience, and strive toward the highest standards of personal performance. In short, conduct yourself on campus and in the community to bring distinction to you and to our university.

UCF faculty members and staff members are here to help you to learn, to grow, and to excel. Upon graduation, you will join the more than 200,000 alumni whose lives have been enhanced by their UCF experience.

I wish for you much success and happiness during this coming year. Enjoy UCF, and go Knights!

Cordially yours,

A handwritten signature in black ink that reads 'John C. Hitt'.

John C. Hitt
President

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 Associate Dean Martin Dupuis
 Director, Advising Rex Roberts
 Director, Budget and Personnel Lesanne Brunswick
 Director, Information Systems Michael T. Callahan
 Director, Prestigious Awards Nicole Gelfert
 Director, Research and Civic Engagement Kelly Astro
 Director, Student Services Madi Dogariu

College of Arts and Humanities

Dean José Fernández
 Associate Dean Lynn Hepner
 Assistant Dean
 and Interim Director, School of Visual Arts and Design Paul Lartonoix
 Assistant Dean Rudy McDaniel
 Assistant Dean Nancy Stanlick
 Director, CAH Student Advising (CAHSA) Delia Garcia
 Director, School of Performing Arts TBA
 Chair, English Patrick Murphy
 Chair, History John Sacher
 Chair, Modern Languages and Literatures Paul Giordano
 Chair, Music Jeffrey Moore
 Chair, Philosophy TBA
 Chair, Theatre Christopher Niess
 Chair, Writing and Rhetoric Elizabeth Wardle

College of Business Administration

Dean Paul Jarley
 Associate Dean Foard Jones
 Associate Dean E. Taylor Ellis
 Interim Associate Dean TBA
 Director, Kenneth G. Dixon School of Accounting Sean Robb
 Director, Undergraduate Student Services TBA
 Chair, Economics Mark Dickie
 Chair, Finance Anthony K. Byrd
 Chair, Management Steven Goodman
 Chair, Marketing Ronald E. Michaels

College of Education and Human Performance

Dean Sandra L. Robinson
 Executive Associate Dean, Academic Affairs B. Grant Hayes
 Assistant Dean, Research Andrew Daire
 Executive Director, Office of Undergraduate Affairs and Partnerships;
 UCF School and Community Partnership Bryan Zugelder
 Director, School of Teaching, Learning and Leadership Michael Hynes
 Director, Undergraduate Affairs Andrea Small
 Chair, Child, Family and Community Sciences Edward "Mike" Robinson
 Chair, Educational and Human Sciences Jay R. Hoffman

College of Engineering and Computer Science

Interim Dean Michael Georgiopoulos
 Associate Dean, Academic Affairs and
 Director, College Honors Programs Charles Reilly
 Associate Dean, Research and Administration Ranganathan Kumar
 Assistant Dean, Distributed and Distance Learning Alfred Ducharme
 Director, Academic Affairs Kim A. Small
 Director, Diversity and Inclusion Ola Nnadi
 Interim Chair, Civil, Environmental
 and Construction Engineering Essam Radwan
 Chair, Computer Science Division Gary T. Leavens
 Chair, Electrical and Computer Engineering Division Zhihua Qu
 Chair, Industrial Engineering and Management Systems Waldemar Karwowski
 Chair, Materials Science and Engineering Kevin Coffey
 Chair, Mechanical and Aerospace Engineering Suhada Jayasuriya
 Chair, Air Force ROTC (Aerospace Studies) Colonel Todd Freece
 Chair, Army ROTC (Military Science) LTC Mario Johnson

College of Health and Public Affairs

Dean Michael L. Frumkin
 Associate Dean, Academic Affairs and Technology Ross Wolf
 Associate Dean, Research Thomas Wan
 Associate Dean, Student/Personnel Affairs Melvin Rogers
 Associate Dean Dawn Oetjen
 Director, School of Public Administration Mary Ann Feldheim
 Interim Director, School of Social Work Sophia Dziegielewska
 Director, Undergraduate Student Services Mariangelly Rente
 Chair, Communication Sciences and Disorders Barbara Ehren
 Interim Chair, Criminal Justice Roberto Potter
 Interim Chair, Health Management and Informatics Reid Oetjen
 Interim Chair, Health Professions Kristen Schellhase
 Chair, Legal Studies James Beckman

College of Medicine

Vice-President for Medical Affairs and Dean Deborah C. German
 Associate Dean, Faculty and Academic Affairs and Interim Director,
 Burnett School of Biomedical Sciences Richard Peppler
 Director, Pre-Health Professions Advisement Office Genaro Lopez
 Director, Student Services and Advisement (OSSA) Amanda Colee
 Associate Director, Academic Affairs (Burnett School) Roseann White
 Associate Director, Facilities (Burnett School) Robert Genaro
 Associate Director, Research (Burnett School) Sampath Parthasarathy
 Chair, Clinical Sciences Ralph Caruana
 Chair, Medical Education David Balkwill

College of Nursing

Dean Jean Leuner
 Associate Dean, Undergraduate Affairs Linda Hennig
 Associate Dean, Graduate Affairs Susan Chase

College of Optics and Photonics

Dean and Director Bahaa Saleh
 Associate Dean David J. Hagan

College of Sciences

Dean Michael Johnson
 Associate Dean Teresa Dorman
 Associate Dean Jack M. McGuire
 Associate Dean Cynthia Young
 Director, Nicholson School of Communication Robert C. Chandler
 Director, Undergraduate Services (Academic Services) Lee Anne Kirkpatrick
 Chair, Anthropology Arlen F. Chase
 Interim Chair, Biology Laurie von Kalm
 Chair, Chemistry Kevin D. Belfield
 Chair, Mathematics Piotr Mikusinski
 Chair, Physics Talat Rahman
 Chair, Political Science Kerstin Hamann
 Chair, Psychology Jeffrey Cassisi
 Chair, Sociology Jana Jasinski
 Chair, Statistics David M. Nickerson

Rosen College of Hospitality Management

Dean Abraham Pizam
 Associate Dean Tadayuki Hara
 Associate Dean Youcheng Wang

SUMMER 2013 ACADEMIC CALENDAR

Summer 2013	Session A May 13 - June 21 6 Weeks	Session B June 24 - August 2 6 Weeks	Session C May 13 - August 2 12 Weeks	Session D May 13 - July 12 9 Weeks
Application Deadline for All New Undergraduates	March 1	March 1	March 1	March 1
Application Deadline for Readmission	April 1	April 1	April 1	April 1
Application Deadline for Graduate Programs Without Deadline	April 15	April 15	April 15	April 15
Graduation Application (Online Intent to Graduate Form on myUCF)	Mar. 4 - Apr. 26	Mar. 4 - Apr. 26	Mar. 4 - Apr. 26	Mar. 4 - Apr. 26
Housing Payment Due	April 26	June 14	April 26	N/A
Registration ^{1,2} on myUCF	Mar. 18 - May 12	Mar. 18 - June 23	Mar. 18 - May 12	Mar. 18 - May 12
Registration for State Employees, UCF Employees, UCF Athletics Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)	May 10	June 21	May 10	May 10
Registration for Senior Citizen Audits (begins 3:30 p.m.)	May 10	June 21	May 10	May 10
On-campus Housing opens	May 12	June 21	May 12	N/A
Classes begin	May 13	June 24	May 13	May 13
Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)	May 16	June 27	May 16	May 16
Late Registration ^{1,2} on myUCF (ends at 11:59 p.m. on last day)	May 13-17	June 24 - June 28	May 13-17	May 13-17
Last Day for Full Refund	May 16	June 27	May 16	May 16
Add Deadline on myUCF (ends at 11:59 p.m.)	May 17	June 28	May 17	May 17
Payment Deadline ²	May 24, 2013 - Students registering from 3/18/13 through 5/17/13 July 5, 2013 - Students registering for Summer B only 5/18/13 through 6/28/13			
Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)	June 6	July 18	July 1	June 18
Withdrawal Deadline (ends at 11:59 p.m.)	June 6	July 18	July 1	June 18
Last Day to Reinstate Drop for Nonpayment Classes (ends at 4:00 p.m.)	June 14	July 26	June 14	June 14
VA Deferral Payment Deadline ²	July 26	July 26	July 26	July 26
Classes End; Last Day to Remove Incomplete ³	June 21	August 2	August 2	July 12
Final Examination Period	Given during the last class meeting			
On-campus Housing closes	June 21	August 2	August 2	N/A
Grades Due in myUCF (noon)	June 26	August 7	August 7	July 17
Grades Available on myUCF (begins 9:00 a.m.)	June 27	August 9	August 9	July 18
Commencement	August 3	August 3	August 3	August 3

NOTE: Dates are subject to change. Consult the *Web Enrollment Guide* and online Academic Calendar (<http://www.registrar.sdes.ucf.edu/calendar>) for information.

All new undergraduate degree-seeking students are required to attend Orientation prior to registration. Information on Orientation is mailed to all students upon acceptance to the University.

If possible, examinations should not be scheduled on days or during times of religious holidays. Students are expected to notify their instructor in advance if they intend to observe a holy day of their religious faith. For additional information, contact the Office of Diversity Initiatives at 407-823-6479.

¹ \$100 Late Registration Fee applies to students who enroll following the close of Registration or who enroll for the first time that term during Late Registration.

² \$100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.

³ Incomplete grades must be removed within one year of the last day of the term or prior to graduation from the University, whichever comes first, else they will change to "F".

University Holidays and Special Events

Memorial Day Holiday May 27, 2013

Independence Day Holiday July 4, 2013



2013 - 2014 FALL/SPRING ACADEMIC CALENDAR

	Fall 2013	Spring 2014
Application Deadline for Undergraduate International students	March 1	September 3, 2013
Application Deadline for New Undergraduate Freshmen Applicants	May 1	November 1, 2013
Application Deadline for New Undergraduate Transfers	July 1	November 1, 2013
Application Deadline for Readmission	July 1	November 1, 2013
Application Deadline for Graduate Programs Without Deadline	July 15	December 2, 2013
Registration ^{1,2,4} on myUCF	March 18 - August 18	Mar. 18, 2013 - Jan. 5 and Oct. 21, 2013 - Jan. 5
Graduation Application (Online Intent to Graduate Form on myUCF)	June 24 - August 2	Oct. 14, 2013 - Dec. 6, 2013
Housing Payment Due	August 2	December 6, 2013
On-campus Housing opens	August 15	January 4
Registration time for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)	August 16	January 3
Registration for Senior Citizen Audits (begins 3:30 p.m.)	August 16	January 3
Classes Begin	August 19	January 6
Late Registration ^{1,2} on myUCF (ends at 11:59 p.m. on last day)	August 19-23	January 6-10
Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)	August 22	January 9
Last Day for Full Refund	August 22	January 9
Add Deadline on myUCF (ends at 11:59 p.m.)	August 23	January 10
Payment deadline ²	August 30	January 17
Academic Advising Weeks	October 7-18	October 7-18, 2013
Last Day to Reinstate Drop for Nonpayment Classes (ends at 4:00 p.m.)	October 28	March 10
Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)	October 28	March 3
Withdrawal Deadline (ends at 11:59 p.m.)	October 28	March 3
VA Deferral Payment Deadline ²	November 29	April 18
Classes End; Last Day to Remove Incomplete ³	December 2	April 21
Final Examination Period	December 4-10	April 23-29
On-campus Housing closes (noon)	December 11	April 30
Degree Conferral Date	December 13	May 1
Grades Due in myUCF (noon)	December 13	May 2
Commencement	December 13-14	May 1-3
Grades Available on myUCF (begins 9:00 a.m.)	December 17	May 5
NOTE: Dates are subject to change. Consult the <i>Web Enrollment Guide</i> and online Academic Calendar (http://www.registrar.sdes.ucf.edu/calendar) for information.		
All new undergraduate degree-seeking students are required to attend Orientation prior to registration. Information on Orientation is mailed to all students upon acceptance to the University.		
If possible, examinations should not be scheduled on days or during times of religious holidays. Students are expected to notify their instructor in advance if they intend to observe a holy day of their religious faith. For additional information, contact the Office of Diversity Initiatives at 407-823-6479.		
¹ \$100 Late Registration Fee applies to students who have not enrolled by the close of Registration.		
² \$100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.		
³ Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to "F".		
⁴ Under Multiple Term Registration, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2013, Fall 2013 and Spring 2014 beginning February 26, 2013. Registration for these students will begin on or after March 18, 2013. All other eligible students will receive their registration times beginning October 7, 2013, and Spring registration for these students will begin on or after October 21, 2013.		
University Holidays and Special Events		
Labor Day Holiday		September 2, 2013
Homecoming Week (classes still held)		November 1-10, 2013
Homecoming Game - vs. Houston		November 9, 2013
Veterans Day Holiday (observed)		November 11, 2013
Thanksgiving Holidays		November 28-30, 2013
Martin Luther King Jr. Holiday		January 20, 2014
Spring Break (campus offices still open).		March 3-8, 2014
Founder's Day Honors Convocation (classes still held)		April 2, 2014



UNIVERSITY NOTICES

Undergraduate Academic Policy Statement

The University of Central Florida, may change any of the announcements, information, policies, rules, regulations, or procedures set forth in the *Undergraduate Advising Guide* and the *Undergraduate Catalog*. The *Undergraduate Catalog* is published online once a year and cannot always reflect new and modified regulations. Statements in the *Undergraduate Advising Guide* and the *Undergraduate Catalog* may not be regarded in the nature of binding obligations on the institution or the State of Florida. While every effort will be made to accommodate the curricular needs of students, limited resources may prevent the University from offering all required courses in each semester or in day and evening sections.

Students will be held accountable for the requirements, policies, and procedures described in the *Undergraduate Advising Guide* and the *Undergraduate Catalog*. Additional information or clarification of any policy or procedure may be obtained from the specified office.

Non-Discrimination Policy (including sexual harassment)

The University of Central Florida values diversity in the campus community. Accordingly, discrimination based on race, color, religion, sex, national origin, age, disability, marital status, sexual orientation, gender identity, gender expression, or veteran status is prohibited.

Sexual harassment, a form of sex discrimination, is defined as unwelcome sexual advances, requests for sexual favors, or verbal or physical conduct of a sexual nature when:

1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or enrollment;
2. Submission to or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual; or,
3. Such conduct has the purpose or effect of substantially interfering with an individual's work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

Sexual harassment is strictly prohibited. Occurrences will be dealt with in accordance with the guidelines above and University regulations. Employees, students, visitors, or applicants for employment or admission may obtain further information on this policy, including grievance procedures, from the Equity Coordinator. The Director of the Office of Equal Opportunity and Affirmative Action Programs is the campus Equity Coordinator responsible for concerns in all areas of discrimination. The office is located on the Orlando campus, in Millican Hall 330, Orlando, FL 32816-0030. The phone number is 407-UCF-1EE0. Policies and guidelines are available online at <http://www.eeo.ucf.edu/>.

Drug-Free Workplace/Drug-Free Schools Policy Statement

Standards of conduct and disciplinary sanctions will be imposed for the unlawful possession, misuse or distribution of illicit drugs and alcohol by UCF students and employees on UCF property or as part of any of its activities. The unlawful manufacture, distribution, dispensation, possession or misuse of a controlled substance, prescription medication or the unlawful possession and use of alcohol is harmful and prohibited in and on UCF owned and controlled property or as part of any of its activities. Any UCF employee or student determined to have violated this policy shall be subject to disciplinary action for misconduct, which may include termination/expulsion and referral for prosecution. No employee/student is to report to work/class or attend any University activity while under the influence of illegal drugs or alcohol. Violation of these policies by an employee/student will be reason for evaluation/treatment for drug/alcohol disorder and/or for disciplinary action up to and including termination/expulsion and/or referral for prosecution consistent with local, state and federal law.

Campus Alcoholic Beverages Policy

The sale, service, possession and consumption of alcoholic beverages shall comply with state and federal laws, city and county ordinances, and the licensing agreement with on-campus distributors which allows for the sale and service of alcoholic beverages. In addition the University has formulated the following policies governing the sale, service, possession and consumption of alcoholic beverages on campus. Refer to University of Central Florida Policy "Alcoholic Beverages on Campus" 3-115.1 for further information.

Guidelines

The sale and service of alcoholic beverages to persons younger than 21 years of age is prohibited. Possession or consumption of alcoholic beverages is prohibited by persons younger than 21 years of age.

Possession and consumption of alcoholic beverages in open or unsealed containers is prohibited except in designated areas or as approved with special events.

Individuals are responsible for their actions regardless of their mental or physical state as it may be affected by mind-altering chemicals such as alcohol and other drugs.

Student organizations may develop more stringent regulations regarding alcohol use.

Locations

The sale of alcoholic beverages to individuals of legal age will be permitted in licensed areas by licensed on-campus distributors.

The sale or service of alcoholic beverages to individuals of legal age will be permitted at other select campus locations for catered functions by properly authorized distributors.

The serving, possession or consumption of alcohol by individuals of legal age may be permitted in private residential rooms in the residence halls and other on-campus or affiliated housing unless otherwise prohibited by the governing organization. Consumption of alcoholic beverages in public or common areas within on-campus residential units shall follow guidelines provided by their governing organization, and local, state and federal law.

Approval Procedures: Student Groups

Prior approval for students or student organizations to host an event where alcoholic beverages are present in non-licensed campus locations must be obtained from the Director of Student Leadership Programs.

The following information must be supplied by the student organization and approved by the appropriate university officials, no less than 15 calendar days prior to the event(s). These arrangements include but are not limited to: sponsoring organization and nature of event; date, beginning and ending times, and location of event; number in attendance and method of registering guests; method of designation for those of age/underage; contained area where alcohol consumption is permitted; type of alcohol along with food and alternative non-alcoholic beverages to be provided; method of security including number of campus police officers; person to be contacted at event in case of questions or problems.

Approval Procedures: Non-Student Groups

When an event is properly scheduled to take place in a location for which a campus concession holds a license, alcoholic beverages are to be sold through the concession and their license. Groups or organizations who seek to sell beer or wine along with a non-alcoholic choice at other locations on campus must obtain approval to secure a beer or wine license from the Director of Business Services prior to making application for the license. With approval the license is then to be obtained by the organization from the Alcoholic Beverages and Tobacco Division of the Department of Business Regulations of the State of Florida. Off-campus groups or organizations who seek to serve alcoholic beverages in a location and situation which does not require a license must obtain prior approval to serve alcohol on campus from the Director of Business Services.

For the complete and definitive version of the Drug-Free Workplace/Drug-Free Schools Policy Statement, please go to:
<http://www.goldenrule.sdes.ucf.edu>.

Academic Behavior Standards

The University of Central Florida is committed to a policy of honesty in academic affairs. Conduct that comprises a breach of this policy may result in academic action, disciplinary action, and/or program action. Academic action affects student assignments, examinations or grades. Disciplinary action may affect student enrollment status. Program action may affect the student's status in a specific program of study. Academic Misconduct includes but is not limited to cheating, plagiarism, misuse of sources, assisting another in cheating or plagiarism, and commercial use of academic materials. The violations of student academic behavior standards on the undergraduate and graduate level are listed and defined in the Rules of Conduct in *The Golden Rule Student Handbook*.

Note: A student who has assisted another in any of the aforementioned breach of standards shall be considered equally culpable. In cases of cheating or plagiarism, the instructor may document the incident and choose to take appropriate academic action ranging from loss of credit for a specific assignment, examination, or project to removal from the course with a grade of "F." Additionally, disciplinary action may be taken through the Office of Student Rights and Responsibilities, which may result in punitive and education sanctions, as outlined in *The Golden Rule Student Handbook*. Students found in-violation of Academic Misconduct will receive a Z designation that would be included with

the earned grade on transcripts, designating that academic dishonesty occurred. Information regarding the Z designation, its application or removal from a transcript can be found in *The Golden Rule Student Handbook*.

Student Use of Technology

The University of Central Florida expects all students to have ready access to a personal computer and software appropriate to his or her field of study. Students can meet this expectation by purchasing or leasing a computer, sharing a computer with family or roommates, or using a UCF computer lab.

All UCF students should expect to use a personal computer in many University activities, including coursework, accessing library information, registering for classes, emailing correspondence to instructors or fellow students, or taking online classes. In addition, many UCF courses require the use of the Internet.

The University of Central Florida has developed one of the nation's most advanced campus technology environments, and all UCF students are provided free Knights Email accounts and Internet access.

Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adaptor. Recommended configurations can be found on the University's website at http://www.cstorecore.ucf.edu/flyers/recommended_PC.pdf.

Undeclared Policy

All students at the University of Central Florida are expected to officially declare a major prior to earning 45 college credit hours (this includes credits earned from CLEP, Dual Enrollment, AP, and IB). An administrative hold to prevent future university registration will be placed on the records of all students that have not declared a major. Students must meet with an academic advisor (within Student Development and Enrollment Services, the Colleges, or Regional Campuses) to have the hold released.

Student Responsibility for University Communication

UCF uses email as the official means of notifying students of important information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items. The university sends all business-related and academic messages to a student's Knights Email address to ensure that there is one repository for that information. Every student must register for, and maintain, a Knights Email account at <http://www.knightsemail.ucf.edu> and check it regularly to avoid missing important information from the university. Any difficulty with establishing an account or with accessing an established account can be resolved through the UCF Computer Services Service Desk (servicedesk@ucf.edu or 407-823-5117).

Additionally, each student must have an up-to-date emergency email address and cell phone number by which they can be reached in case of an emergency on campus. This emergency contact information will be used only for emergency communication purposes. Also, both permanent and local mailing addresses must be on record, so that any physical documents that must be mailed can be delivered.

It is critical that students maintain and regularly check their Knights Email account for official announcements and notifications. Communications sent to the Knights Email address on record will be deemed adequate notice for all university communications, including issues related to academics, finances, registration, parking, and other matters. The University does not accept responsibility if official communication fails to reach a student who has not registered for, or maintained and checked their Knights Email account on a regular basis. Please ensure that this information is current and that any changes in contact information are made online through the myUCF portal at <https://my.ucf.edu/>.

Complaint Policy

The University of Central Florida supports the right of students to file grievances, lodge complaints, and make appeals in a safe environment free of fear, retaliation, or other adverse consequence. The University has a number of offices and committees that are responsible for implementing the institution's established procedures for addressing written academic and non-academic student complaints.

In most cases, the recommended strategy for complaints of any nature is to ask the concerned individual to first contact the person or office most directly connected to the issue, unless there are compelling reasons not to do so. If the concerned individual does not want to contact a

faculty or staff member directly, he or she begins with the next highest level of authority, which typically is the department chair or director. If the problem or complaint is unresolved or the individual is not satisfied with the resolution, he or she may file a written grievance or appeal in most cases. Specific procedures included are in specific sections of the Catalog and *The Golden Rule*.

Accreditation

The University of Central Florida, a member institution of the State University System, formerly was named Florida Technological University. The name was changed by action of the Florida Legislature on December 6, 1978.

The University of Central Florida is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award degrees at the associate, baccalaureate, master's, and doctoral levels. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of the University of Central Florida.

Please note the commission's expectation that contact occur only if there is evidence to support significant non-compliance with a requirement or standard. For other information about UCF's SACSCOC accreditation, please contact the university's SACSCOC liaison in UCF's Office of Academic Affairs.

College/Discipline	Accrediting Body
Arts and Humanities Music, Music Education	National Association of Schools of Music (NASM), 12250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248
Business Administration (all disciplines)	The Association to Advance Collegiate Schools of Business (AACSB International), 777 South Harbour Island Blvd., Suite 750, Tampa, FL 33602-5730
Education (all programs leading to initial teacher certification)	State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Ave., NW, Suite 500, Washington, DC 20036
Engineering and Computer Science Aerospace, Civil, Computer, Construction, Electrical, Environmental, Industrial, Mechanical Engineering Computer Science	Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700 Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700
Health and Public Affairs Athletic Training	Commission on Accreditation of Athletic Training Education (CAATE), 2201 Double Creek Drive, Suite 5006, Round Rock, TX 78664
Health Informatics and Information Management	Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM), 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-5800
Health Services Administration	Association of University Programs in Health Administration (AUPHA), 2000 14th Street North, Suite 780, Arlington, VA 22201
Social Work	Council on Social Work Education (CSWE), 1701 Duke Street, Suite 200, Alexandria, VA 22314-3457
College of Medicine - Burnett School of Biomedical Sciences Medical Laboratory Sciences	National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119
Nursing Nursing	Florida Board of Nursing, Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW Suite 530, Washington, DC 20036

University Notices

Sciences Chemistry

American Chemical Society (ACS)
Committee on Professional Training,
1155 Sixteenth Street, NW,
Washington, DC 20036

UCF is listed in *Transfer Credit Practices on Designated Educational Institutions* with the highest level of credit acceptability. This handbook is published by the American Association of Collegiate Registrars and Admission Officers and lists the acceptability of transfer credits based upon the reporting institutions in the states, commonwealths, territories, and selected international institutions.



UNIVERSITY OF CENTRAL FLORIDA/CAMPUSES

The University

407-823-2000

<http://www.ucf.edu>

UCF Stands For Opportunity: The University of Central Florida is the nation's second-largest university and is located in one of the most dynamic and vibrant communities in the country – the Orlando metroplex. UCF's 1,415-acre main campus provides modern facilities, most of which have wireless capability, with approximately 600 acres set aside for lakes, woods and an arboretum.

Offering more than 200 degree programs, UCF is an academic and research leader in many fields, including optics and photonics, modeling and simulation, engineering and computer science, business administration, education, life sciences, hospitality management and digital media. The College of Medicine, which will graduate its first M.D. students in spring 2013, is the centerpiece of a medical city at Lake Nona bustling with scientists searching for cures for cancer and other diseases, future doctors learning about the latest advances in health care, and patients receiving high-quality care.

Nearly 60,000 students attend classes on UCF's main campus in East Orlando and 15 satellite facilities located throughout Central Florida. Since President John Hitt's arrival in 1992, UCF's enrollment has more than doubled, research funding has more than quadrupled and the number of doctoral degrees awarded has grown eightfold.

Outstanding Students: UCF continues to attract many of the nation's best and brightest students. The fall freshman class for the 2012-13 academic year posted an average SAT score of 1244, a 77-point increase over the past 10 years, and a high school grade-point average of 3.9. A total of 241 National Merit Scholars enrolled in fall 2012. UCF also continues to become more diverse each year, with a UCF-record 39 percent of students in fall 2012 classified as minority students.

Attractive Amenities: The 45,000-seat Bright House Networks Stadium and the 10,000-seat UCF Arena opened in September 2007 on the north end of UCF's campus. Anchored by the UCF Arena, Knights Plaza also includes four student residence halls and various restaurants and retail shops that cater to students, visitors and area residents.

UCF's newly expanded Recreation and Wellness Center features a three-story climbing wall, an indoor track and myriad fitness equipment. The Student Union offers computer labs, study lounges, ballrooms and meeting rooms, popular eating establishments and a small shopping mall. A state-of-the-art Health Center supports a full-service health clinic with on-site professionals, X-ray capabilities, a pharmacy, a dental clinic, a medical laboratory and physical therapy services.

The new Career Services and Experiential Learning building features 17 private interview rooms, including a boardroom-style suite where cameras record students' practice interviews.

The first phase of a new performing arts center features state-of-the-art classrooms and practice and performance spaces for the Music and Theatre programs. The new center will eventually host first-class theater and music programs for UCF and the surrounding communities to enjoy.

National University to Watch: For the past several years, U.S. News & World Report's "America's Best Colleges" guide has lauded UCF as a top 10 national university to watch. This category recognizes national universities that "recently made the most promising and innovative changes in academics, faculty, students, campus or facilities." UCF also has been consistently ranked as one of the nation's best values by The Princeton Review and Kiplinger magazine.

Center for Distributed Learning

Associate Vice President: Thomas B. Cavanagh

UCF Center for Distributed Learning, 3100 Technology Parkway, Orlando, 32826; 407-823-4910

<http://online.ucf.edu/>

The Center's mission is to provide support to students, faculty and staff in the development and planning of distributed learning courses and programs. The Center serves as the central agent for online learning at UCF, providing leadership in distance learning policies, strategies, and practices. The Center also coordinates the university's standards and accreditation changes resulting from web-based instruction.

The Center for Distributed Learning provides opportunities for students to enroll in credit courses and selected degree and certificate programs delivered over the Internet through Online@UCF. The instructional design of these courses maintains a high-quality learning environment for both nontraditional and campus-based students.

Online courses are identified in the Class Schedule Search available at <https://my.ucf.edu/>. In the "Additional Search Criteria" section use the drop-down list next to "Mode of Instruction" to search for the values described below.

Online instruction modes are:

WORLD WIDE WEB (W): These are courses conducted via web-based instruction and collaboration. Some courses may require minimal campus attendance or in-person/proctored examinations.

MIXED-MODE/REDUCED SEAT TIME (M): These courses include both required classroom attendance and online instruction. All M classes have substantial activity conducted over the web, which substitutes for some classroom meetings.

VIDEO STREAMING (V): These are courses delivered over the web via streaming digital video, which may be supplemented by additional web activity, projects, or exams.

VIDEO STREAMING/REDUCED SEAT TIME (RV): In these courses, classroom-based content is available over the Web via streaming video and classroom attendance is not required. Other required activities that substitute for video instruction may include any of the following elements: web activity, in-person or proctored examinations, and labs. See course notes for details.

Students who plan to enroll in any course with a web or streaming video component must have access to the Internet, a Web browser such as Internet Explorer or Firefox, basic web-browsing knowledge, ability to use email, and basic computer skills such as word processing.

Due to restrictive state regulations, UCF is not permitted to provide online courses or instruction to students in some states. The list of states currently restricted is available at <http://programs.online.ucf.edu/>. While residing in one of these states, students may not be permitted to enroll in or be admitted to a UCF online program.

Regional Campuses

<http://www.regionalcampuses.ucf.edu>

The University of Central Florida offers an opportunity to complete a number of programs through UCF Regional Campuses. Strategically located within an 80-mile radius of the UCF Orlando campus, the multiple non-residential locations partner with six Florida community/state colleges, fostering seamless and convenient advancement from completion of an A.A. or A.S. degree to upper-level division work on a baccalaureate degree. Programs include 26 Bachelor's programs, 16 minors, 8 master's degrees, and 6 graduate certificates with each of the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, disability services, veteran's affairs, "smart classrooms," libraries, computer labs, and more.

UCF Regional Campuses provide a wide variety of instruction modes and schedules, including web class availability. Admissions, Registration, Financial Assistance and Advising professionals are located at the following campuses: UCF Cocoa and Palm Bay, UCF Daytona Beach, UCF Sanford/Lake Mary, UCF South Lake and Leesburg, UCF Valencia West and Osceola, and UCF Ocala. Times and dates for all courses are listed online prior to registration each term and all registration periods correspond to the overall UCF schedule.

The Central Florida Higher Education Consortium, known as DirectConnect to UCF, is a unique partnership between UCF and Eastern Florida State College, Lake-Sumter State College, Seminole State College and Valencia College. This agreement provides entry for AA and AS graduates to UCF as an enhancement to the FL state-mandated 2 + 2 agreement. Students entering UCF as a DirectConnect to UCF student are admitted according to the UCF policies when AA or AS degrees are awarded.

All locations provide students with an opportunity to enroll in selected courses (junior and senior level) contributing to undergraduate and graduate degrees in a variety of disciplines within the university. At UCF Regional Campuses students may register full-time or part-time for courses at any of the locations without additional paperwork. For the most current information on any of the multiple UCF Regional Campus locations, programs or class schedules, check the website at <http://www.regionalcampuses.ucf.edu>.



University of Central Florida/Campuses

Administration

UCF Regional Campuses Administration

12201 Research Parkway, Suite 101
Orlando, 32826; 407-823-4547

Vice Provost, UCF Regional Campuses TBA
Senior Administrative Assistant Kathi Harris
Associate Vice President, Executive Director,
Academic Initiatives Stephen Holmes
Associate Director, Academic Initiatives Waheeda Illasarie
Associate Director, Academic Initiatives Mary Lynn Bresette
Facilities Scheduler Denise Devlin
Coordinator, Statistical Research Jeanne Walker
Associate Vice President, Regional Campus Transfer
Admission & Enrollment/Marketing Angé Peterson
Director, RC Enrollment Services Deborah Bradford
Marketing Account Executive Michelle Fuentes
Web Designer Tony Recascino
Interim College/Division IT Manager Aaron Misiano
College/Division IT Project Manager Calston Llewellyn
Interim Director, RC Advising & Student Services Pam Cavanaugh
Associate Vice President, Business Affairs
and Operations David Laney
Director, Continuing Education Linda Cirocco
Administrative Assistant Jeanette Holder
Director, Academic Support Services Joe Schofield
Director, Library Services Cynthia Kisby
Senior Art Specialist Mary Lou Wade

Campuses

UCF Valencia West, UCF Valencia Osceola

Director, Academic Support Services Edgar Martinez
Associate Director, Academic Support Services Carol Black
Assistant Director, Enrollment Services Kathy Butler
Coordinator, Academic Advising Services I Chris Miller
Coordinator, Academic Advising Services I TBA
Coordinator, Academic Advising Services II Lisa Cruz
Coordinator, Academic Advising Services II Melissa Hanbery
Coordinator, Academic Advising Services II Salema Mohamed
Coordinator, Enrollment Services Shellie Thomas-Small
Coordinator, Student Services Jim Smith, Jr.
Administrative Assistant Jacqueline Diaz

UCF Daytona

Assistant Vice President and Director,
Daytona Beach Campus Linda Bradley
Associate Director, Academic Support Services Darryl Greeley
Associate Director, Student Services Raphael Robinson
Senior Admissions/Registrar Officer Sheri Newble-Dunn
Coordinator, Academic Advising Services II Tina Davis
Coordinator, Academic Advising Services II Virginia LaRue
Coordinator, Academic Advising Services II Angela Edwards-Johnson
Coordinator, Administrative Services Bonnie Marsh
Department IT Manager Joe Cassella

UCF Sanford/Lake Mary, UCF Altamonte

Associate VP, UCF Sanford/Lake Mary and
UCF Altamonte Springs David Mealar
Director, Academic Support Services Sean Armstrong
Assistant Director, Enrollment Services Pamela Williams
Coordinator, Student Services Ashley Squillante
Coordinator, Academic Advising Services I Sarah Zoll
Coordinator, Academic Advising Services II Jackie West-Lee
Coordinator, Academic Advising Services II Andrea Velez-Vazquez
Department IT Manager Russell Muller
Administrative Assistant Debbie Copertino

UCF Cocoa, UCF Palm Bay

Associate Vice President, Cocoa/Palm Bay Denise Young
Director, Academic Support Services Lauren Miller
Associate Director, Student Services Angelia Jones
Assistant Director, Academic Support Services Sonya Curtis
Assistant Director, Enrollment Services Nick Pantlioni
Coordinator, Academic Advising Services I Kim Poppert
Coordinator, Academic Advising Services II Angel Edgecombe
Coordinator, Academic Advising Services II Patricia Terrill
Coordinator, Academic Advising Services II John King
Coordinator, Academic Advising Services II Sheryl Schagen
Coordinator, Enrollment Services Jessica Houts
Department IT Manager Sue Sorenson

UCF South Lake, UCF Ocala, UCF Leesburg

Assistant Vice President, Academic Affairs Cecelia Rivers
Director, Academic Support Services Tanya Armstrong
Administrative Assistant Lita Reyes
Director, Student Services Pamela Brady
Assistant Director, Enrollment Services Christy Pasnisin
Coordinator, Enrollment Services Thomas Silarek
Coordinator, Academic Advising Services I TBA
Coordinator, Academic Advising Services II TBA
Coordinator, Academic Advising Services II Robin Tinsley
Coordinator, Academic Advising Services II Bethany Larson
Coordinator, Academic Support Services Crystal Flynn
Department IT Manager Mei Wong

UCF Cocoa

321-433-7821

(In partnership with Eastern Florida State College)

Undergraduate Degree Programs

Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration,
Information Technology, Legal Studies, Software Development
and Supervision and Administration
Business Administration (B.A.B.A.) College of Business
Administration
Communication Sciences and Disorders (B.A., B.S.) College of
Health and Public Affairs
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education and Human
Performance
Health Services Administration (B.S.) College of Health and Public
Affairs
History (B.A.) College of Arts and Humanities
Human Communication (B.A.) College of Sciences
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Nursing (B.S.N., R.N. to B.S.N.) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Sociology (B.A.) College of Sciences
Social Science (B.S.) College of Sciences
Technical Education and Industry Training (B.S.) College of
Education and Human Performance

Undergraduate Minors

Anthropology in Multicultural Studies
Business (For non-business majors only)
Communication Sciences and Disorders
Criminal Justice
Crime, Law and Deviance
Diversity and Social Inequality
English – Creative Writing
Exceptional Education
Health Services Administration
History
Human Communication
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women's Studies

Graduate Degree Programs

Applied Sociology (M.A.) College of Sciences
Criminal Justice (M.S.) College of Health and Public Affairs

UCF Daytona Beach

386-506-4021

(In partnership with Daytona State College)

Undergraduate Degree Programs

Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration,
Information Technology, Legal Studies, Software Development
and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education and Human
Performance



Health Services Administration (B.S.) *College of Health and Public Affairs*
 Interdisciplinary Studies (B.A., B.S.) *Office of Undergraduate Studies*
 Legal Studies (B.A., B.S.) *College of Health and Public Affairs*
 Nursing (B.S.N., R.N. to B.S.N.) *College of Nursing*
 Photography (B.S.) *College of Arts and Humanities*
 Political Science (B.A.) *College of Sciences*
 Psychology (B.S.) *College of Sciences*
 Social Sciences (B.S.) *College of Sciences*
 Sociology (B.A.) *College of Sciences*
 Technical Education and Industry Training (B.S.) *College of Education and Human Performance*

Undergraduate Minors

Anthropology in Multicultural Studies
 Business (For non-business majors only)
 Criminal Justice
 Crime, Law and Deviance
 Diversity of Social Inequality
 English – Creative Writing
 Exceptional Education
 Health Services Administration
 History
 Human Communication
 Legal Studies
 Mass Communication
 Mass Culture and Collective Behavior
 Medical Sociology
 Political Science
 Psychology
 Sociology
 Technical Education and Industry Training
 Women's Studies

Graduate Degree Programs

Criminal Justice (M.S.) *College of Health and Public Affairs*

UCF Leesburg

352-536-2113

(In partnership with Lake-Sumter State College)

Undergraduate Degree Programs

Applied Science (B.A.S.) *Office of Undergraduate Studies*
 Tracks: Criminal Justice, Health Services Administration,
 Information Technology, Legal Studies, Software Development,
 and Supervision and Administration
 Elementary Education (B.S.) *College of Education and Human Performance*
 Health Services Administration (B.S.) *College of Health and Public Affairs*
 Interdisciplinary Studies (B.A., B.S.) *Office of Undergraduate Studies*
 Nursing (R.N. to B.S.N. and Concurrent) *College of Nursing*
 Political Science (B.A.) *College of Sciences*
 Technical Education and Industry Training (B.S.) *College of Education*

Undergraduate Minors

Anthropology in Multicultural Studies
 Criminal Justice
 Crime, Law and Deviance
 Diversity of Social Inequality
 English –Creative Writing
 Health Services Administration
 History
 Legal Studies
 Mass Communication
 Mass Culture and Collective Behavior
 Medical Sociology
 Political Science
 Psychology
 Sociology
 Technical Education and Industry Training
 Women's Studies

UCF Ocala

352-854-2322, ext. 1824

(In partnership with Central Florida State College)

Undergraduate Degree Programs

Applied Science (B.A.S.) *Office of Undergraduate Studies*
 Tracks: Criminal Justice, Health Services Administration,
 Information Technology, Software Development and Supervision
 and Administration
 Business Administration (B.A.) *College of Business Administration*

Elementary Education (B.S.) *College of Education and Human Performance (Cohort)*

Health Services Administration (B.S.) *College of Health and Public Affairs*

Interdisciplinary Studies (B.A., B.S.) *Office of Undergraduate Studies*

Nursing (R.N. to B.S.N.) *College of Nursing*

Political Science (B.A.) *College of Sciences*

Psychology (B.S.) *College of Sciences*

Technical Education and Industry Training (B.S.) *College of Education and Human Performance*

Undergraduate Minors

Anthropology in Multicultural Studies
 Business (for non-business majors)
 Criminal Justice
 Crime, Law and Deviance
 Diversity of Social Inequality
 English – Creative Writing
 Health Services Administration
 History
 Legal Studies
 Mass Communication
 Mass Culture and Collective Behavior
 Medical Sociology
 Political Science
 Psychology
 Health Services Administration
 History
 Sociology
 Technical Education and Industry Training
 Women's Studies

UCF Palm Bay

321-433-7838

(In partnership with Eastern Florida State College)

Undergraduate Degree Programs

Applied Science (B.A.S.) *Office of Undergraduate Studies*
 Tracks: Criminal Justice, Health Services Administration,
 Information Technology, Software Development, and Supervision
 and Administration
 Business Administration (B.A.) *College of Business Administration*
 Health Services Administration (B.S.) *College of Health and Public Affairs*
 Interdisciplinary Studies (B.A., B.S.) *Office of Undergraduate Studies*
 Interpersonal/Organizational Communication (B.A.) *College of Sciences*
 Nursing (R.N. to B.S.N.) *College of Nursing*
 Political Science (B.A.) *College of Sciences*
 Psychology (B.S.) *College of Sciences*
 Technical Education and Industry Training (B.S.) *College of Education and Human Performance*

Undergraduate Minors

Anthropology in Multicultural Studies
 Business (for non-business minors)
 Criminal Justice
 Crime, Law and Deviance
 Diversity of Social Inequality
 English – Creative Writing
 Health Services Administration
 History
 Interpersonal/Organizational Communication
 Legal Studies
 Mass Communication
 Mass Culture and Collective Behavior
 Medical Sociology
 Political Science
 Psychology
 Sociology
 Technical Education and Industry Training
 Women's Studies

UCF Sanford/Lake Mary

407-708-2471

(In partnership with Seminole State College)

Undergraduate Degree Programs

Applied Science (B.A.S.) *Office of Undergraduate Studies*
 Tracks: Criminal Justice, Health Services Administration,
 Information Technology, Legal Studies, Software Development,
 and Supervision and Administration
 Business Administration (B.A.) *College of Business Administration*



University of Central Florida/Campuses

Early Childhood Education (B.S.) *College of Education and Human Performance*

Elementary Education (B.S.) *College of Education and Human Performance*

Health Services Administration (B.S.) *College of Health and Public Affairs*

Interdisciplinary Studies (B.A., B.S.) *Office of Undergraduate Studies*

Legal Studies (B.A., B.S.) *College of Health and Public Affairs*

Nursing (R.N. to B.S.N. and Concurrent) *College of Nursing*

Political Science (B.A.) *College of Sciences*

Psychology (B.S.) *College of Sciences*

Social Sciences (B.S.) *College of Sciences*

Technical Training and Industry Training (B.S.) *College of Education and Human Performance*

Undergraduate Minors

Anthropology in Multicultural Studies

Business (For non-business majors only)

Criminal Justice

Crime, Law and Deviance

Diversity of Social Inequality

English – Creative Writing

Health Services Administration

History

Interpersonal/Organizational Communication

Journalism Studies

Legal Studies

Mass Communication

Mass Culture and Collective Behavior

Medical Sociology

Political Science

Psychology

Sociology

Technical Education and Industry Training

Women's Studies

Graduate Degree Programs

Clinical Psychology (M.A.) *College of Sciences*

UCF South Lake

352-536-2113

(In partnership with Lake-Sumter State College)

Undergraduate Degree Programs

Applied Science (B.A.S.) *Office of Undergraduate Studies*

Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration

Business Administration (B.A.) *College of Business Administration*

Elementary Education (B.S.) *College of Education and Human Performance*

Health Services Administration (B.S.) *College of Health and Public Affairs*

Interdisciplinary Studies (B.A.) *Office of Undergraduate Studies*

Political Science (B.A.) *College of Sciences*

Psychology (B.S.) *College of Sciences*

Sports and Exercise Science (B.S.) *College of Education and Human Performance*

Technical Education and Industry Training (B.S.) *College of Education and Human Performance*

Undergraduate Minors

Anthropology in Multicultural Studies

Business (For non-business majors only)

Criminal Justice

Crime, Law and Deviance

Diversity of Social Inequality

English – Creative Writing

Health Services Administration

History

Legal Studies

Mass Communication

Mass Culture and Collective Behavior

Medical Sociology

Political Science

Psychology

Sociology

Technical Education and Industry Training

Women's Studies

UCF Valencia Osceola

407-582-4190

(In partnership with Valencia College)

Undergraduate Degree Programs

Applied Science (B.A.S.) *Office of Undergraduate Studies*

Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration

Biomedical Sciences (B.S.) *College of Medicine*

Business Administration (B.A.) *College of Business Administration*

Criminal Justice (B.A., B.S.) *College of Health and Public Affairs*

Elementary Education (B.S.) *College of Education and Human Performance*

Health Services Administration (B.S.) *College of Health and Public Affairs*

Interdisciplinary Studies (B.A., B.S.) *Office of Undergraduate Studies*

Nursing (R.N. to B.S.N.) *College of Nursing*

Political Science (B.S.) *College of Sciences*

Public Administration (B.A.) *College of Health and Public Affairs*

Psychology (B.S.) *College of Sciences*

Religious Studies (B.A.) *College of Arts and Humanities*

Technical Education and Industry Training (B.S.) *College of Education and Human Performance*

Undergraduate Minors

Anthropology in Multicultural Studies

Business (for non-business majors)

Criminal Justice

Crime, Law and Deviance

Diversity of Social Inequality

English – Creative Writing

Health Services Administration

History

Legal Studies

Mass Communication

Mass Culture and Collective Behavior

Medical Sociology

Political Science

Psychology

Sociology

Technical Education and Industry Training

Women's Studies

UCF Valencia West

407-582-5500

(In partnership with Valencia College)

Undergraduate Degree Programs

Applied Science (B.A.S.) *Office of Undergraduate Studies*

Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, Software Development and Supervision and Administration

Architecture (B.D.) *College of Arts and Humanities*

Business Administration (B.A.) *College of Business Administration*

Criminal Justice (B.A., B.S.) *College of Health and Public Affairs*

Electrical Engineering (3rd year) (B.S.E.E.) *College of Engineering and Computer Science*

Elementary Education (B.S.) *College of Education and Human Performance*

Health Services Administration (B.S.) *College of Health and Public Affairs*

Interdisciplinary Studies (B.A., B.S.) *Office of Undergraduate Studies*

Legal Studies (B.A., B.S.) *College of Health and Public Affairs*

Nursing (R.N. to B.S.N. and Concurrent) *College of Nursing*

Political Science (B.A.) *College of Sciences*

Psychology (B.S.) *College of Sciences*

Sociology (B.A.) *College of Sciences*

Social Sciences (B.S.) *College of Sciences*

Technical Education and Industry Training (B.S.) *College of Education and Human Performance*

Undergraduate Minors

Anthropology in Multicultural Studies

Business (for non-business majors)

Criminal Justice

Crime, Law and Deviance

Diversity of Social Inequality

English-Creative Writing

Interpersonal/Organizational Communication

Legal Studies

Mass Communication

Mass Culture and Collective Behavior



Medical Sociology
Political Science
Psychology
Sociology
Technical Education and Industry Training
Women's Studies

Graduate Degree Programs

Business Administration (Cohort, Professional M.B.A. track)
Criminal Justice (M.S.) *College of Health and Public Affairs*

General Regional Campus information:

Website: <http://www.regionalcampuses.ucf.edu>

Programs are offered via multiple delivery methods: web, video-streaming, and face-to-face. Delivery methods vary by location.

Bachelor of Applied Science: A degree option for transfers with an Associate of Science degree. Availability of tracks varies by location.

Central Florida Research Park

The Central Florida Research Park, adjacent to the main UCF campus, is a University-related research park established as a result of legislation passed by the Florida Legislature in 1978. The Research Park is a cooperative effort between UCF, the Orange County Research and Development Authority, and the Orange County Board of County Commissioners (which appoints the members of the Authority). The governing body of the Research Park is the Orange County Research and Development Authority.

The objectives of the Central Florida Research Park are in keeping with the legislative action that enabled its creation "to encourage and promote the establishment of research and development activity combining the resources of institutions of higher learning, private sector enterprise involved in pure or applied research, and state or federal governmental agency research."

The ultimate goal of University-related research parks is to establish an academic/industrial community. The University and officials of the Central Florida Research Park believe that the potential for the establishment of close ties between the University and industry will create an environment conducive to the location of research-oriented industry in the Research Park. This activity will enrich and support the academic, teaching, and research programs of the University. The University, in turn, can provide the necessary expertise and human resources to enhance the research and development activities required and planned by Research Park residents.

The Central Florida Research Park consists of over 1,000 acres of land. Businesses desiring a "university relationship" can purchase or lease land in the Research Park on which to construct a facility or can lease space for office, office/lab, or light manufacturing activities.

Research Park tenants are involved with the University of Central Florida through sponsored research, using faculty as consultants, and using graduate and undergraduate students for intern programs and part-time employment. Research Park tenants can also contract with the University for use of the library, computer resources, and laboratory facilities. Cooperative projects range from technical research to developing business plans and employee training programs.

Endowed Chairs

Endowed chairs are established under the Florida Major Gifts Trust Fund, which provides \$420,000 in state funds to match \$600,000 in contributions from private sources within a five-year period.

Phillips-Schenck Chair in American Private Enterprise: Created in 1980 as the focal point for a continual dialog on major economic issues, comparative economic systems, and economic decision-making in business. *Chair:* TBA.

Charles N. Millican Chair in Computer Science: Created in 1983 and dedicated to probing the frontiers of computer science, with emphasis on the direction that the discipline will take over the next decade. *Chair:* Narsingh Deo.

William S. and Alice M. Jenkins Chair in Community Arts: Created in 1986 to enable UCF to design and oversee programs covering art administration, art therapy, and art education within the Central Florida community. *Chair:* Paul Lartonoix.

Carl H. Galloway Chair for Excellence in Business: Created in 1986 to honor Carl Galloway, a pioneer in telecommunications. The purpose is to enhance scholarly activity in teaching and research in the College of Business Administration. *Chair:* Shelby Gerking.

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 1988 to support the work of an internationally recognized scholar in laser and optical sciences. *Chair:* TBA.

Darden Eminent Scholar Chair in Restaurant Management: Created in 1990 to develop a program of excellence in restaurant management. This chair, the first of its kind in the country, also serves as a critical resource for the hospitality industry. *Chair:* TBA.

SunTrust, N.A. Eminent Chair in Banking for Teaching Excellence: Created in 1989 to attract a nationally or internationally prominent expert in banking with a strong commitment to undergraduate, graduate, and executive development. *Chair:* TBA.

Al and Nancy Burnett Eminent Scholar Chair in Accounting: Created in 1989 to support an exceptional faculty member in the School of Accounting. *Chair:* Robin W. Roberts.

Bert Fish Memorial Eminent Scholar Chair: Created in 1990, the first chair to be established at the Daytona Campus, to improve nursing education and ease the shortage of nurses. *Chair:* Angeline A. Bushy.

Lockheed Martin Academy in Math and Science Education: Created in 1992 to stress content enhancement and problem solving approaches in the teaching of science and mathematics. *Chair:* Lisa A. Dieker.

CFHLA Eminent Scholar Chair in Hotel Management: Created in 2002 to support the teaching and research of an internationally recognized scholar in hotel management. *Chair:* TBA.

Linda Chapin Eminent Scholar Chair in Tourism Management: Created in 2002 to support the teaching and research of an internationally recognized scholar in tourism management. *Chair:* Abraham Pizam.

William Peeper Eminent Scholar Chair in Destination Marketing: Created in 2002 to support the teaching and research of an internationally recognized scholar in destination marketing. *Chair:* TBA.

Mildred W. Coyle Eminent Scholar Chair: Created in 2000 to support the teaching and research of an internationally recognized scholar in various disciplines of professional education. *Chair:* Sandra L. Robinson.

Robert N. Heintzelman Eminent Scholar Chair: Created in 2002 to conduct research into the determination of the basic cause of greed in humanity and to determine the appropriate manner and methods of eliminating the cause of greed and fostering altruism. *Chair:* Edward H. Robinson, III.

DeVos Eminent Scholar in Sport Business Management Endowed Scholar Chair: Created in 2001 to attract a nationally or internationally prominent scholar in the field of sports, with a strong commitment to graduate sport business management programs. *Chair:* Richard E. Lapchick.

Richard T. Crotty Orange County Endowed Scholar Chair: Created in 2004 to attract a nationally or internationally prominent scholar to conduct research in his/her primary field and to assist in the development of research, programs, and support service as the faculty liaison to the Institute for Economic Competitiveness, College of Business Administration. *Chair:* TBA.

Florida Photonics Center of Excellence Eminent Scholar Chair of Nanophotonics: Created in 2003 to strengthen and support teaching and research in the field of nanophotonics at the College of Optics and Photonics. *Chair:* Dennis Deppe.

Agere Systems, Inc. Eminent Scholar Chair of Computer Science: Created in 2005 in recognition of the university's leadership in the Florida High Tech Corridor and the FHTC Council's objective of attracting, retaining, and growing tech-based industry in our region and in the preparation of the workforce needed for our region. *Chair:* Mubarak A. Shah.

Beat M. and Jill L. Kahli Endowed Professorship in Oncology Nursing: Created in 2005 to support work with researchers and clinicians in helping to improve the lives of cancer survivors. *Endowed Professorship:* TBA.

Chatlos Foundation Endowed Chair in Nursing: Created in 1996 to support a key faculty member of distinguished reputation who will engage in teaching, research, and scholarly activities relating to nursing. *Chair:* Karen Aroian.

Kenneth G. Dixon Eminent Scholar Endowed Chair in Accounting: Created in 2004 as a key component of the Dixon School of Accounting. *Chair:* TBA.

Howard Phillips Eminent Scholar Chair in Real Estate: Created in 2005, as a key component of the Dr. P. Phillips School of Real Estate. *Chair:* Randy I. Anderson.

University of Central Florida/Campuses

21st Century Scholar Chair: Created in 2006 to strengthen and support teaching and research in the field of lasers and medicine at the College of Optics and Photonics. *Chair:* Konstantin L. Vodopyanov.

Florida 21st Century Chair. Created in 2007 to strengthen and support teaching and research in the fields of control and signal processing in the College of Engineering and Computer Science. *Chair:* Marwan A. Simaan.

Dr. Neil Euliano Chair in Italian Studies: Created in 2005. This is the first Chair in Italian Studies in the State of Florida and is designed to support the teaching and research of an internationally recognized scholar of Italian and Italian American Culture. *Chair:* Paolo Giordano.

NAIOP Eminent Scholar Chair in Real Estate: Created in 2005 as a key component of the Dr. P. Philips School of Real Estate. *Chair:* Geoffrey K. Turnbull.

Judith & David Albertson Eminent Scholar Endowed Chair: Created in 2004 to attract a key faculty member of distinguished reputation who will engage in teaching, research, and scholarly activities relating to Visual Arts. *Chair:* TBA.

Lester N. Mandell Eminent Scholar Endowed Chair: Created in 2004 to assist in the development of an Ethics Center. *Chair:* TBA.

Endowed Chair in Transportation: Created in 2006 to attract and retain an experienced and recognized professor specializing in transportation research and education. *Chair:* TBA.

Capital Campaign Engineering Endowed Chair: Created in 1983 to provide support for a chair in Engineering. *Chair:* TBA.

FL Hospital Endowed Chair in Nursing Simulation: Created in 2011 to support a leading expert in simulation to advance simulation in Nursing and other health disciplines. *Chair:* TBA.

Karl H. Guenther Endowed Chair in Thin Film Optics: Created in 1998 to support the School of Optics Education in Thin Film Optics. *Chair:* TBA.

Kurdish Political Studies Endowed Chair: Created in 2007 to expand studies in Political Science and the Middle East. *Chair:* TBA.

Florida Photonics Center of Excellence Endowed Chair in Biophotonics: Created in 2003 to strengthen and support teaching and research in the field of biophotonics at the College of Optics and Photonics. *Chair:* TBA.

Florida Hospital Endowed Chair in Cardiovascular Science: Created in 2011 to build collaborative research programs with Florida Hospital and other Central Florida scientists while providing leadership to the research enterprise in the Burnett School of Biomedical Sciences, College of Medicine. *Chair:* Sampath Parthasarathy.

Hugh F. and Jeannette G. McKean Endowed Chair in Nursing: Created in 2011 to strengthen and support the preparation of nurse educators. *Chair:* Diane Wink.

University Ombuds Office

Ombuds Officer: Shreya Trivedi
MH 247; 407-823-6440
<http://ombuds.ucf.edu/>

The Ombuds Office is an informal, impartial, independent and confidential resource for all members of the University community. It is not an office of notice of wrongdoing and cannot participate in any formal grievance or appeal process. The Office provides assistance and advice regarding concerns related to the University. These services are available to every member of the University community: students, staff, faculty, and others. Any type of concern may be brought to the attention of this office: academic, financial, housing, consumer, work-related, or personal. The University Ombuds Officer, as a neutral facilitator, will listen to concerns and assist visitors by developing a range of options in an informal attempt to achieve resolution. Referral and direction to appropriate individuals and offices, and clarification of University policies and procedures are services of the office. All proceedings in individual cases will be held confidential by the Ombuds Officer unless otherwise authorized by the complainant, or otherwise required by applicable law, including without limitation, Chapter 119, Florida Statutes. The University Ombuds Office is located in Millican Hall, Suite 243, room 247. Appointments may be made by calling 407-823-6440.

Office of Undergraduate Studies

Interim Vice Provost and Dean: Elliot Vittes
MH 218; 407-823-2373
<http://www.undergrad.ucf.edu/>

The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning

experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Sciences and Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Office of Pre-Professional Advising, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbitrator for all undergraduate academic appeals.

Academic Services

Interim Associate Dean and Director: Heath Martin
MH 210; 407-823-2691
<http://www.academicsservices.ucf.edu/>

This office is responsible for administering State of Florida and University academic policies pertaining to academic record changes, curriculum file management, the degree audit program, and University-wide academic policies and graduation requirements. The primary goals of the office are to apply these policies fairly, promptly and evenly according to established guidelines; to provide timely response to requests from students, faculty, and staff; and to maintain accurate and effective computer records for advisement and graduation certification.

International Services Center

Executive Director: Nataly Chandia
CMMS (Building #81); 407-823-2337
<http://www.intl.ucf.edu/>

The International Services Center (ISC), provides immigration advising and assistance to the international students and scholars at the University of Central Florida. ISC supports the international population in its adjustment to a new academic and cultural environment by providing a wide range of services and programming. Services include: admissions guidance, interpreting immigration regulations, explaining employment options, issuing travel authorization signatures, and end of year tax filing guidance. Programming includes: orientation, welcome week activities, employment and tax workshops, holiday celebrations, and International Education Week events. From orientation to graduation, ISC strives to enhance the overall educational experience at UCF for its international students and scholars and to increase cultural awareness and understanding on campus. ISC also works with UCF departments to: facilitate the hiring of international faculty and staff, process H-1B employment visas, and ensure tax compliance on payments made to international vendors.

UCF Public Safety and Police

Chief: Richard Beary
Building #150, Libra Drive; 407-823-5242
<http://www.police.ucf.edu/>

The UCF Police Department is a full-service law enforcement agency which prides itself on providing professional services to the university community through prevention, education and enforcement. The University Police officers provide police services twenty-four hours a day, seven days a week to the university community.

The Communications Center (407-823-5555) provides a mechanism for persons to receive assistance in the event of an immediate threat, danger, injury, fire, or criminal occurrence by calling 9-1-1. University Police are part of the county-wide "Enhanced 9-1-1" system and automatically receive calls related to campus. The system ensures that the correct emergency responder - police, medical or fire - is directed to the right place in the shortest amount of time. Since telephone numbers appear on the police computer screen, callers who are either too young or too incapacitated to give their number or location can still receive emergency assistance. Communications Operators are on duty 24 hours a day. Blue light emergency phones are located at various locations on campus to allow persons in need of assistance to contact the Police Department. All Blue Light Emergency phones dial into the Communications Center to ensure a swift response if needed.

The Patrol Division (407-823-5555) provides proactive police services to the campus community by means of foot patrols, and marked vehicle patrols. The Patrol Division additionally contains specialized patrol units such as K-9, marked motorcycle units, bicycle patrol units and all-terrain vehicles to meet the unique needs of an expanding urban university.

The Investigations Division (407-823-5555) consists of five detectives, a forensic technician and a criminal analyst who conduct latent investigations for all criminal cases.

The Community Relations Division (407-823-5555) offers crime prevention seminars regarding the protection of personal property and safety. The Community Relations Division manages the Safe Escort Patrol Service (SEPS) 407-823-2424, providing a safe escort for all individuals on campus.

Victim Services (12201 Research Parkway, Ste. 450, Orlando 32826; main number: 407-823-2425, **24/7 HOTLINE: 407-823-1200**), provides intervention and prevention services for all members of the UCF community and visitors who have been impacted by crime, violence or abuse, with or without a police report. Services include: Crisis intervention, advocacy, support, safety planning, practical assistance; options, information and referrals. Educational programming is also provided to both academic and social groups on campus.

The University Police Department publishes an annual brochure entitled "Annual Security and Fire Safety Guide." The Annual Security and Fire Safety Guide presents an overview of all police services and offers crime prevention and fire safety tips and campus crime and residential fire statistics in compliance with the Federal Crime Awareness and Security Act of 1990. A copy of the Annual Security and Fire Guide is available at the Undergraduate Admissions Office, Human Resources Office, John T. Washington Center Police Office, Welcome Center, Housing Office and the University Police Department. For further information visit the University Police website at <http://www.police.ucf.edu>.

Information Technologies and Resources

Vice Provost and CIO: Joel L. Hartman
MH 338K; 407-823-6778
<http://www.itr.ucf.edu>

The Division of Information Technologies and Resources has University-wide responsibility for planning, implementation, and support of information technology and related information resources. Units within the Division include the Library, Computer Services & Telecommunications, Instructional Resources, and the Center for Distributed Learning. The services and resources of each unit are described in the following sections.

University Libraries

Director of University Libraries: Barry B. Baker
LIB 512; 407-823-2564
<http://library.ucf.edu>

Associate Director for Administrative Services: Frank R. Allen
LIB 512; 407-823-2892

University Libraries offers a wide variety of information resources and services, 2.4 million volumes, 43,300 journal subscriptions, 3.1 million microforms, and 51,000 media titles. The Libraries' rapidly growing electronic resources include 363 databases, 624,000 e-books, and 27,000 electronic journals. UCF Libraries is a partial depository for United States and Florida government publications and U.S. patents and trademarks.

The main library is open 105 hours per week. Operating hours are available on the website: <http://library.ucf.edu> or by calling 407-823-2756. Over 285 computer workstations are available for public use. Sixty-three wireless laptops can be checked out for use anywhere in the John C. Hitt Library. Available for weeklong checkout are 45 iPads, five Android tablets, cameras, DVD players, scanners and digital video recorders. Wireless technology enables patrons who bring their own devices to connect to the Libraries' electronic resources and to the Internet from anywhere in the building. Twenty-eight group study rooms and one presentation practice room are available for students. The main library has two classrooms outfitted with 43 computer workstations for hands-on instruction in the use of electronic resources.

The Knowledge Commons, the Libraries' newest learning space, provides 479 seats in a variety of configurations including collaborative group study areas, 196 PC workstations, single station carrels, and upholstered lounge chairs with flip-up tablets. Two-thirds of seating in the area offers a desktop PC or immediate access to power.

The Libraries' web-based catalog can be accessed from any computer or mobile internet device, offering a gateway to hundreds of electronic databases, journals and e-books. For help and advice in the use of resources and materials, the Reference Desk is open most library hours. Individual appointments can also be made for in-depth research consultation. The website <http://library.ucf.edu/ask/> connects students with Ask a Librarian, where questions are submitted and answered by Instant Messaging; email; telephone at 407-823-2562, or toll-free at 866-271-7589. The Libraries supports the development

of information literacy skills through the provision of InfoLit modules, <http://infolit.ucf.edu>, which provide just-in-time instruction for students on topics such as citing resources and plagiarism. Faculty can include the modules in coursework as well.

The Interlibrary Loan and Document Delivery Services Department (ILL/DDS) assists students and faculty members in obtaining materials not owned by the UCF Libraries. Most book loans, photocopied materials, and electronically delivered items can be acquired free of charge within two weeks. Request forms are available at <http://library.ucf.edu/ill>. For more information, call 407-823-2383 during office hours or visit the ILL website.

Services are provided for students with disabilities. In collaboration with the University's Office of Student Disability Services students may request assistance with retrieval of materials by contacting the Circulation Desk. A workstation equipped with Jaws and Zoomtext software is available, as well as a Kurzweil reading machine. More information is available at <http://library.ucf.edu/Services/DisabilityServices.asp>.

Primary source material from Special Collections and the University Archives <http://library.ucf.edu/SpecialCollections/> supports the research, teaching, and service activities of the UCF community. These special materials include books, manuscripts, historic public records, ephemera, photographs, art, and more. The Libraries' digitization projects <http://library.ucf.edu/Systems/DigitalCollections/> continue to make more of these unique materials available on the Web. UCF Libraries partners with other libraries and local institutions through Central Florida Memory, Florida Heritage, Digital Library of the Caribbean, and similar web-based projects to provide digital access to special and historic images and documents.

The Curriculum Materials Center (CMC), a unit of University Libraries, is located in the College of Education and Human Performance Building. The CMC provides representative K-12 curriculum materials for pre-view, review, analysis and circulation. Although the CMC primarily serves education students and faculty, it is open to all campus faculty, staff, and students. For more information see the CMC web page at <http://library.ucf.edu/cmc> or call 407-823-2791.

The Universal Orlando Foundation Library is located at the Rosen College of Hospitality Management in the heart of the tourist corridor on Universal Boulevard, and open to the entire UCF community as well as to hospitality industry professionals. The library provides access to most of the services available through the main campus library. For additional information go to <http://library.ucf.edu/Rosen> or call: 407-903-8100.

Regional Campus Libraries collections and services are available through partner libraries in Cocoa, Palm Bay, Daytona Beach, Clermont, Sanford/Lake Mary, Ocala, Kissimmee, Leesburg, and Metro West. The university partners with local Florida College System institutions to provide complete information services. Two examples of websites customized for Regional Campus needs are the Services for Distance Learners page <http://library.ucf.edu/Services/DistanceServices.asp> and the Regional Campus Libraries page <http://library.ucf.edu/BranchCampuses/Locations/>. UCF librarians provide in-person service at partner campuses in Cocoa, Palm Bay, Daytona, Clermont, and Sanford as well as at other partnership sites by appointment.

All locations provide electronic access to library and University resources on the web. Courier and intercampus loan services make the main library's collections available to UCF students at all regional and branch campus sites. For more information see the website at <http://library.ucf.edu/BranchCampuses/Locations/default.asp>.



Office of Instructional Resources

Director: Don Merritt
CB1 203; 407-823-2571
<http://www.oir.ucf.edu>

The mission of the Office of Instructional Resources (OIR) is to further the academic, research, and administrative goals of the University of Central Florida and its faculty through the design, application, and support of multimedia resources and services.

The Faculty Multimedia Center (FMC) is OIR's media production facility dedicated to faculty and electronic thesis and dissertation (ETD) support. Located in Classroom Building I (CB1) Room 202, the FMC hosts equipment and staff that faculty can call upon to help them create multimedia materials for their teaching and research needs. The FMC also partners with the College of Graduate Studies to provide computer and media expertise for students who are completing their ETD.

OIR also maintains videoconferencing and other online collaboration facilities for university use, including thesis and dissertation committee support. OIR can provide consultation to determine the most appropriate method of collaboration to meet your needs. For consultation services, to reserve a videoconference space, please contact OIR at 407-823-2571 and ask to speak with a collaboration specialist.

Although OIR installs and repairs classroom equipment, OIR does not schedule classroom spaces. To reserve a room, please contact Classroom Reservations in the Registrar's office. Faculty should speak with their College's Scheduler to reserve a classroom or to change the meeting space for a class.

Intercollegiate Athletics

Vice President and Director: Todd Stansbury
WD2; 407-823-2261
<http://www.UCFAthletics.com>

The University of Central Florida, a member of the National Collegiate Athletic Association (NCAA), Division I, competes in 16 sports and is a member of the BIG EAST Conference. UCF's intercollegiate sports for men include baseball, basketball, golf, football, soccer and tennis. Women's sports include basketball, cross-country, golf, rowing, soccer, softball, outdoor and indoor track and field, tennis and volleyball.

UCF's athletics teams are successful on the field, in the classroom and in our community.

UCF has won 17 conference championships and played in 27 NCAA tournaments since joining Conference USA in 2005.

UCF Athletics' 85 percent graduation success rate is a school record and ranks No. 1 among Florida's public universities.

During the past three years, UCF student-athletes have contributed a total of more than 360,000 hours of community service to the Central Florida region.

Graduation Rate Disclosure

The completion or graduation rate is the rate at which full-time, certificate-seeking or degree-seeking undergraduate students who are enrolling for the first time at the institution, and who have not previously enrolled at any other institution of higher education, graduate from their programs. The 6-year graduation rate for the Summer-Fall 2006 full-time cohort is 65.1 percent. The retention rate for Summer-Fall full-time 2011 students is 87.8 percent. The information is public and available for review on the Institutional Research website.

UCF Arena at Knights Plaza

<http://www.ucfarena.com>

The UCF Arena is the largest live entertainment and sports facility in East Orlando. With seating for more than 10,000 fans, it is home to UCF athletic events, university graduation ceremonies and a diverse lineup of world famous entertainers, beloved family shows and festivities rivaling any in the country.

Nestled on the north side of the UCF Arena, The Venue at UCF Arena is a more intimate space showcasing established and up-and-coming acts, special events and selected athletic activities including volleyball games and basketball practices.

Knights Plaza, home of the UCF Arena and The Venue, features an exciting mix of services, shops and dining. Come early and stay late. For event, retail or rental information, visit <http://www.ucfarena.com> or <http://www.knightsplaza.com>.

Campus Bookstores

UCF's main campus is home to two Barnes & Noble bookstores.

John T. Washington Center Location

The UCF Bookstore, a Barnes & Noble College division bookstore, located in the John T. Washington Center, is the textbook and course material destination. It offers a complete line of UCF clothing, logo gift items, snacks, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit <http://www.ucf.bncollege.com> or call 407-823-2665.

Knights Plaza Location

The Barnes & Noble @ UCF, located next to the UCF Arena in Knights Plaza, is the official headquarters for all of your graduation supplies. It offers a complete line of UCF clothing, logo gift items, general reading books, snacks, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit <http://www.shopucf.com> or call 407-882-0364.

Parking and Transportation Services

Director: Kris Singh
Visitor and Parking Information Center; 407-823-1371
Email: krishna.singh@ucf.edu
<http://www.parking.ucf.edu>

The Parking and Transportation Services department offers a variety of transportation options to, from, and around the campus.

The UCF Shuttle provides transit needs for students residing in 18 off-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operating hours range from 6:30 a.m. to 10:30 p.m. UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 9 stops on campus. On campus shuttles operate continuously from 7:00 a.m. until 7:00 p.m. during the fall and spring semesters, and from 7:00 a.m. to 4:00 p.m. during the summer terms.

An inter-campus transportation service is provided between the UCF main campus and the Rosen College of Hospitality Management. It makes nine round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Thursday, during the fall and spring semesters, and six round-trip runs between 8:00 a.m. and 7:00 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the Health Sciences Campus. It makes six round trips between 7:20 a.m. and 10:45 p.m. Monday through Friday.

These services are complimentary to all UCF students, faculty, and staff members, and operate on all class days, including exam weeks. Please refer to the webpage at <http://parking.ucf.edu/Shuttle.html> or call 407-823-2131 for detailed information.

In addition, two LYNX bus routes, Links 13 and 30, serve the UCF campus from Oviedo, Downtown Orlando, Valencia College, and East campus. Commuters may connect to most anywhere in the Greater Orlando area. The LYNX buses normally operate at 30 to 60 minute intervals. Route maps may be obtained at the UCF Visitors and Parking Information Center and the Information Kiosk at the Student Union. Further details, including rates and information on special passes, may be obtained by calling LYNX at 407-841-8240, or from their website, <http://golynx.com>.

Orlando Shakespeare Theater in Partnership with UCF

Artistic Director: Jim Helsing
812 E. Rollins St., Suite 100, Orlando FL 32803
Email: jimh@orlandoshakes.org
<http://www.orlandoshakes.org>

The Orlando Shakespeare Theater in Partnership with UCF is Central Florida's professional classical theater. An AEA union company, the theater presents a signature series of Shakespeare and other plays, a theater for young audiences series, The Harriett Lake Festival of New Plays, and innovative educational programming that includes summer camps, a summer high school performance group, and the K-12 "Shakespeare Alive" and Shakespeare performance programs. Performances are presented in Margeson, Goldman, Mandell, and Santos-Dantin Theaters at the Lowndes Shakespeare Center in Loch Haven Park.

The theater has achieved a position of national recognition, attracting artists from across the country. The theater has been featured in national publications such as The Wall Street Journal, Southern Living, Theater Week, Backstage, American Theater, Stage Directions and Southern Theater. The third year of UCF's Acting MFA in Theatre is spent in residence at the theater. Internships and independent

studies for UCF undergraduates are also available with the theater in many departments. \$10 rush tickets are available for UCF students 1/2 hour before performances with student ID. To purchase tickets, contact the box office at 407-447-1700. For internship information and other questions, contact Artistic Director Jim Helsing at jimh@orlandoshakes.org.

UCF Alumni Association

Executive Director: Tom Messina
FAIRWINDS Alumni Center; 407-UCF-ALUM (823-2586)
or 800-330-ALUM (330-2586)
<http://www.ucfalumni.com>

The University of Central Florida Alumni Association creates alumni awareness and provides resources for alumni to stay connected to the university and each other through many active chapters and clubs, fun activities and events, and enlightening communication pieces. Alumni receive several benefits, such as discounts for hotels, restaurants, insurance products and theme park tickets as well as UCF logo merchandise discounts at locations on and off campus. A complete list of benefits can be found at <http://www.ucfalumni.com/benefits>.

Students can join the 4EVER KNIGHTS (4EK) Student Alumni Association, one of the largest on-campus student organizations. 4EK offers its members a wide variety of fun events and valuable benefits including invitations to fun 4EK socials, Movie Knights, Homecoming, Family Weekend, networking with alumni, discounts on logo merchandise on and off campus, restaurant discounts, free scantrons, leadership, scholarship and service opportunities and much more.

UCF Foundation, Inc.

Stewardship Coordinator, Communications, Marketing and Donor Relations: Tambrea Hurst
PVL 250; 407-882-1247
Email: tambrea.hurst@ucf.edu
<http://ucffoundation.org>

The UCF Foundation, Inc. is the official fund raising organization for the University of Central Florida. It is a 501(c)(3) nonprofit organization and the university's primary partner in securing philanthropic resources.

The Foundation was established in 1969 as the Florida Technological University Foundation, Inc. and became the University of Central Florida Foundation, Inc. when the university changed its name in 1978.

The role of the UCF Foundation, Inc. is to enhance relationships with alumni, friends, faculty, staff and community partners and to promote philanthropic participation within the UCF community.

The foundation employs over 100 staff members who are dedicated to making the most effective and responsible use of contributions. The foundation team is responsible for gift acceptance and administration, gift processing and receipting, financial accounting and reporting, donor and alumni record maintenance, and donor and alumni stewardship.



SPECIAL ACADEMIC PROGRAMS AND RESEARCH INSTITUTES

International Studies

Director: Angel Cardec

MH 107, P.O. Box 163105, Orlando, FL 32816-3105;

407-882-2300, Fax: 407-882-0240

<http://www.international.ucf.edu/OIS>

The Office of International Studies (OIS) connects UCF students and faculty to diverse world communities. Its mission is to promote, support, facilitate, advocate, and implement activities that lead to the internationalization of education and research at UCF. This is accomplished through: development and administration of UCF study abroad programs; faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

Study Abroad Programs

<http://www.studyabroad.ucf.edu>

By its very nature, study abroad provides an exciting setting for learning - one in which student interaction is central to the learning process. Study abroad participants learn about new environments, customs and, in many cases, new languages. They deal with the uncertainties of international travel and must adapt to unfamiliar living conditions. Maturity, self-confidence, and awareness of other cultures are only some of the benefits of study abroad. Students are invited to expand their classroom, their experience, and their future through study abroad.

UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience that is consistent and furthers UCF curriculum. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs provide the maximum amount of exposure to a subject in the shortest period of time.

Courses delivered as part of these programs must meet all academic criteria for UCF courses and can be delivered as complete modules, or as a complement to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in Austria, France, Italy, Japan, Spain and Taiwan; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica, Russia and the United Kingdom; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Italy.

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Griffith University, Australia; MODUL University in Austria; Universidade Federal do Rio de Janeiro, Brazil; Hong Kong Polytechnic and Tongi University, China; Universit e d'Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; Tilburg University, The Netherlands; Jonkoping and Malardalen universities in Sweden; and University of the West of England and University of Surrey in the United Kingdom.

There are many more study abroad options. It is important that interested participants investigate their choices, the requirements and the implications that each choice has in terms of cost, credit transferability and progress toward graduation. OIS staff members can provide program advice and general information about options. For up-to-date information, please visit <http://www.studyabroad.ucf.edu> or contact OIS at 407-882-2300.

Experiential Learning (Office of), Undergraduate Studies

Interim Director: Ulla Isaac

CSEL 300; 407-823-2667

Email: OEL@ucf.edu

<http://www.explearning.ucf.edu>

The Office of Experiential Learning (OEL), an academic department in Undergraduate Studies provides advising, instruction and instructional support for experience-based learning courses at UCF. Its primary goal is to enable all students to include major-, career-, or course-related real-world experiences in their academic programs to gain the personal, academic and professional competencies they need to be successful employees and engaged community members upon graduation. Almost half of the student body participates in experiential learning courses each year.

OEL has received national awards for its program innovation, quality instruction and assessment, broad-based collaboration, and institutional support. It contributes to the development and instruction of quality experiential learning courses across campus and helps keep

curriculum current by offering faculty training, quality assurance, measurement of learning outcomes in experience-based learning courses, and outcome data to colleges for grant proposals and assessment. Additionally, OEL collects data and applies for awards through which the university has been recognized numerous times for excellence in student engagement and partnerships.

Through OEL, both undergraduate and graduate students in all colleges have access to a diversity of experiences through meaningful and productive educational partnerships with employers and community partners locally, nationally, and internationally. Experiential Learning faculty members advise students, instruct co-op and internship courses and sup-

port college faculty in the development and instruction of internship and service-learning courses. The department also administers the Florida Work Experience Program (FWEP) through which additional paid, major-related experiences are created for students with documented unmet financial need, supervises the ArtsBridge Program in which Art, Music, Writing, and Theatre majors teach course content through the arts in local schools, facilitates curricular practical training (CPT) for international students, and supports local, national and international internship programs and service-learning projects. All of these options provide major-related, real-world experience that help students clarify career goals, apply classroom theory, gain relevant competencies, and increase the likelihood of their entering graduate school or obtaining major-related employment upon graduation.

- Internships are available to students on all campuses in all colleges. They are courses that provide one-term of major or career-related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships usually occur during summers or toward the end of a student's program of study and can be part-time (usually during the school year) or full-time (usually during summers). They are available through OEL or through college departments. Contact information for department internship coordinators is on the OEL website.
- Co-op opportunities are available to students on all campuses in all colleges. They are courses that provide a linked series of progressively responsible internships, always major- or career-related, paid, and occurring over multiple terms. They are either part-time around class schedules or full-time alternating terms of work experience and coursework, structured for learning with



reflection, supervision and evaluation, and available for non-credit or credit when it will count in a student's academic program. The Co-op program at UCF is accredited, one of the largest in the country, and recognized nationally as a model for quality and benefits to students.

- Service-Learning provides a means for faculty to incorporate experiential learning into academic courses so that students meet course objectives through service experiences. Through this process, students gain an appreciation for civic engagement while learning course content in a real-world environment. Courses using this approach are designated with SL in course listings so that students can choose to participate in this type of learning experience. A service-learning certificate, noted on a student's transcript, is available for students who complete at least four service-learning courses.

Students are encouraged to come to OEL as soon as possible to plan for their participation, preferably during the term before they want to participate to allow time to obtain an appropriate learning experience. For co-op or internships, students first complete an online application to obtain access into the OEL online database system. They then meet with Experiential Learning faculty to receive advising, assistance in pursuing opportunities, referrals, and registration into experiential learning courses. To participate in service learning courses, students may select courses with an SL designation during the registration process. General information, online application, current co-op and internship opportunities through OEL, requirements for participation, tutorials, student assignments and modular courses, and materials for Service-Learning are all available on the OEL website.

National Consortium for Academics and Sports (NCAS)

Director: Suzi Katz-Slowinski
BA2 223; 407-823-3555
<http://www.ncasports.org>

The mission of the NCAS is to use the power of sport to effect positive social change. We educate and empower individuals and organizations by inspiring values-based thinking leading to actions that promote social responsibility and equality.

The NCAS reaches this goal in the Central Florida community by partnering with the DeVos Sport Business Graduate Program to provide ongoing outreach and community service to community organizations in underserved areas.

The Southeast Region also works with the NCAS National Office to make programs available to athletic departments in the areas of diversity training, gender violence prevention, media awareness and building well rounded student-athletes who represent themselves and their University well and, alcohol education. The NCAS also cultivates partnerships between the University, local schools, community organizations, and other nonprofit agencies that also are committed to serving the community.

For additional information, visit the National Consortium for Academics and Sports website at <http://www.ncasports.org>.

Division of Continuing Education

Director: Linda Cirocco
Innovation Center, 3280 Progress Drive, Suite 700, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0266
<http://www.ce.ucf.edu>

The Division of Continuing Education (DCE) serves as the unit within Academic Affairs for the centralized administration of continuing education at UCF through the Regional Campuses. In partnership with the academic, business, and professional communities, DCE provides local, state, national, and international clients with high quality, affordable, credit/noncredit educational programs and services. DCE clients include K-12, degree students, domestic and international corporations, and local/state/federal government.

Off-Campus College Credit Programs

Associate Vice President: Stephen Holmes
University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-823-3654, Fax: 407-823-1399

Off-Campus College Credit and Corporate Education Programs assist in the administration and coordination of approved partnerships and other specially formatted credit courses and degree programs for the academic colleges. Registration may be conducted on site or via the web for student convenience. Registration for non-admitted students does not constitute regular admission to the University.

Institutes and Centers for Research

Center for Economic Education

Director: Robert L. Pennington
BA2 303E; 407-823-2640
Email: rpennington@bus.ucf.edu

The Center for Economic Education strives to increase public knowledge of economic principles and their applications in daily life. Researchers at the Center develop, collect, and distribute economic educational materials. They also consult with and provide instruction to area schools (K-12), Florida College System institutions, and community organizations. Instruction focuses on the principles of economics and their use in making rational economic decisions. Affiliated with the Council for Economic Education, the Center also conducts research in economic education.

Dick Pope, Sr. Institute for Tourism Studies

Director: Abraham Pizam
9907 Universal Blvd., Suite 231-A Orlando, FL 32819;
407-903-8010
Associate Director: Robertico Croes
9907 Universal Blvd., Suite 231-D, Orlando, FL 32819;
407-903-8028
Email: DPI@mail.ucf.edu
<http://hospitality.ucf.edu/research/dick-pope-sr-institute-for-tourism-studies/>

The purpose of the Dick Pope Sr. Institute for Tourism Studies is to improve the quality of the tourism product while increasing the benefits of tourism for the industry, state of Florida, and local communities. The Institute involves itself in a variety of research projects and educational programs. Research includes the collection, development, and dissemination of information relevant to the tourism and hospitality industry in the areas of: marketing, consumer behavior and visitor satisfaction, feasibility studies, economics, motivation, and forecasting. Some of the Institute's patrons include tourism promotion agencies at the state and local levels; tourism development commissions; professional associations; and private enterprises such as attractions, hotels, resorts, restaurants and other food-service establishments, ground and air transportation companies, travel agencies and tour operators, and other related businesses. The Institute devotes significant efforts to educating the public about the tourism industry on state and international levels, as well as its contribution to the social and economic welfare of the community at large.

Executive Development Center

Academic Director: Robert Porter
Programs Liaison: Jaime Patterson
407-235-3912
Email: edc@bus.ucf.edu

The University of Central Florida College of Business Administration is proud to serve as a partner in executive education to the local, state, national, and international business communities. The Executive Development Center was established to provide quality executive education programs to both individuals and organizations.

The Center helps professionals from all industries become more dynamic leaders, more effective managers, and more valuable team members. Corporations benefit from participating in executive education programs by developing more productive and resourceful workforces that can meet the challenges of today's changing marketplace and tomorrow's opportunities.

The Center serves as a valuable resource in executive training and development by offering degree and non-degree programs that address critical issues for managers and business leaders. These programs are offered in a variety of formats suitable for any individual or corporation through:

- Executive MBA Program
- Professional MBA Program
- Professional Masters in Management
- Professional Masters in Real Estate
- Conference services
- Public enrollment programs



Special Academic Programs and Research Institutes

Florida-Canada Linkage Institute

Director: Angel Cardec
407-823-3647, Fax: 407-882-0240
Email: fcli@mail.ucf.edu

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between Canada and the State of Florida. The Institute, administered by the Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for Canadian students to study in Florida state universities and Florida College System institutions for the same tuition and fees as Florida residents. The awards are limited to 25 FTE and are competitive.

Florida-Eastern Europe Linkage Institute

Director: Angel Cardec
407-823-3647, Fax: 407-882-0240
Email: eeli@mail.ucf.edu

The Florida-Eastern Europe Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between the countries in central and Eastern Europe and the State of Florida. The Institute, administered by the Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for students from central and east European countries to study in Florida state universities and Florida College System institutions for the same tuition fees as Florida residents. The awards are limited to 25 FTE and are competitive.

The John Scott Dailey Florida Institute of Government at the University of Central Florida

Director: Marilyn Crotty
407-882-3960, Fax: 407-882-3968
<http://www.iog.ucf.edu>

The John Scott Dailey Florida Institute of Government is part of the College of Health and Public Affairs. The institute serves as a valuable resource for local government information and provides the public sector and nonprofit entities the highest quality training, technical assistance, facilitation services, conference planning and coordination and administrative services to improve Florida's communities.

Florida Solar Energy Center (FSEC)

Director: James Fenton
1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000
Email: info@fsec.ucf.edu
<http://www.fsec.ucf.edu>

The Florida Solar Energy Center (FSEC) is the largest and most active state-supported energy research institute in the United States. Located on the Cocoa campus of UCF at Eastern Florida State College, FSEC has gained national and international respect for its programs on photovoltaics, solar thermal systems, energy-efficient buildings, advanced cooling technologies, hydrogen and fuel cells, and the testing and certification of solar equipment. The Center conducts continuing education workshops for professionals, government and industry leaders around the world. Additionally, FSEC offers Science, Technology, Engineering and Mathematics (STEM)-focused opportunities to K-12 and college level-students, professional development for teachers, and renewable energy curriculum and activities to schools throughout Florida.

Florida Space Institute (FSI)

Director: Ramon Lugo
Florida Space Institute, PO Box 160650, Room 214 A, Orlando, FL 32816-0650; 407-823-6172; Fax: 407-823-6359
Email: ramon.lugo@ucf.edu
<http://fsi.ucf.edu>

The Florida Space Institute provides unique, practice-based educational opportunities, combined with space science research and the resources to design, build, and test small satellites, instruments, and payloads. Using these resources FSI supports UCF and other member schools, as well as other educational and commercial customers. FSI provides opportunities for student involvement in real-world space programs. FSI is a State of Florida Institute headquartered at UCF, but

has 10 member schools statewide. FSI is located at Research Park, Orlando, which is adjacent to UCF main campus. Typical research areas include small satellite innovations, planetary science, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

In addition to traditional classrooms, FSI has had complete laboratories for supporting research projects, including a satellite ground station. Additionally, FSI had utilized the Space Center as a laboratory to perform field experiments. This combination of capabilities provides students with an unequalled opportunity to obtain an education with experience, through practice-based teaching, in the areas of space science and engineering.

Institute for Simulation and Training (IST)

Director: Randall Shumaker
Partnership II & III, 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-882-1300
Email: shumaker@ist.ucf.edu
<http://www.ist.ucf.edu>

The Institute for Simulation and Training (IST) was established to conduct research and develop technology that advances the state of the art in affordable and effective human-centered simulation capabilities and training systems. In April 1985 a State of Florida resolution recognized the institute as part of a Center of Excellence for Simulation and Training. Driven by a proven record of research achievement, IST has developed unique qualifications and is positioned to provide the enabling technologies and technical talent necessary to research new ways to model human activity, improve human-agent interaction, and educate the next generation of scientists and professionals.

IST laboratories, work space, and administrative offices occupy major portions of the Partnership II and III buildings located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to the Army Program Executive Office for Simulation, Training and Instrumentation (PEOSTRI); Army Simulation Training Technology Center; Naval Air Training Systems Division (NAVAIR Orlando); Marine Corps Program Manager for Training Systems; and Air Force Agency for Modeling and Simulation (AFAMS). The institute is one of more than 150 public and private entities specializing in simulation and training and located along a coast-to-coast high tech corridor from Tampa to Daytona Beach—the largest concentration of this expertise in the world.

IST's research staff of more than 260 scientists, engineers, and students conducts basic and applied research for a broad range of training devices and programs. Research teams focus on applied research and technology, human/systems integration, and information systems technologies. Research areas include:

- Multi-resolution simulation
- Virtual, mixed, and augmented reality
- High performance computing
- Human-machine interface, robotics
- Computer-generated forces
- Mathematical foundations
- Application development
- Information management technology
- Human factors psychology and team training
- Cognitive science/augmented cognition
- Medical-related simulation
- Embedded simulation
- Advanced performance technology

IST actively assists UCF in the development of simulation-related curricula. First in the nation with a master's degree in simulation systems, the university in collaboration with IST also offers a truly multidisciplinary Ph.D. in Modeling and Simulation. Both master's and doctoral programs accept applications from graduate students in computer science, digital media, psychology, engineering, mathematics, business, and other related disciplines. Also available at the graduate level are the Modeling & Simulation Professional Science Master's degree, a two-year course of study providing a combination of technical and business courses, and the Graduate Certificate in Modeling and Simulation of Technical Systems, which requires fifteen or more credit hours beyond the bachelor's degree and is beneficial to technical professionals involved with constructing and using simulation models of dynamic systems.

The institute annually employs more than 100 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, work experience at IST becomes



Special Academic Programs and Research Institutes

a launching pad to a career in the simulation industry. A significant number of existing professionals, both in government and industry, enroll in modeling and simulation graduate and certificate programs to continue their advanced education and hone their research skills.

The institute includes in its efforts development of research projects with potential commercial applications and adaptation of military technology to civilian markets. IST communicates the results of its research through seminars, conferences, publications, and workshops. In cooperation with UCF, the University of South Florida, and University of Florida, and with considerable participation from area industry and economic development organizations, IST promotes economic growth in the modeling and simulation industry throughout the Central Florida High Tech Corridor.

Institute of Statistics and Data Mining

Director: David M. Nickerson
TC2 206; 407-823-5528
Email: David.Nickerson@ucf.edu

The Institute of Statistics and Data Mining provides statistical consulting support to graduate students, staff, and faculty members in all stages of their research projects. The Institute's services include, but are not limited to, design of experiments and surveys, determination of sample sizes, formulation of hypotheses, selection of appropriate analysis using a variety of software packages, interpretation and evaluation of statistical results, preparation of statistical reports, and writing statistical methods and data analyses sections of research grant proposals as well as data management through the data mining lab. The Institute's faculty members are available to work as co-investigators or statistical consultants on clients' grant proposals. The Institute also provides statistical support to various government agencies and private organizations. For a brief description of consulting activities of the Institute and research expertise of faculty members, please visit <http://statistics.cos.ucf.edu/>. The consulting service is available to faculty members working on funded projects for a modest fee. Professor David M. Nickerson is the Director of the Institute. However, other faculty members from the Department of Statistics are available for assisting clients.

Oak Ridge Associated Universities (ORAU)

President and ORAU Councilor for University of Central Florida:
John C. Hitt

ORAU Corporate Secretary: Monnie E. Champion
865-576-3146
<http://www.oraui.org>

Since 1989, students and faculty of University of Central Florida have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 96 colleges and universities and a contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, postgraduates, as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in a number of programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are specially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines. A comprehensive listing on these programs and other opportunities, their disciplines, and details on locations and benefits can be found in the ORISE Catalog of Education and Training Programs, which is available at <http://see.oraui.org>, or by calling the number above.

ORAU's Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU's members, private industry, and major federal facilities. Activities include faculty development programs, such as the Ralph E. Powe Junior Faculty Enhancement Awards, the ORAU Events Sponsorship Program, the ORAU Travel Grant Program and the Lindau Meeting of Nobel Laureates and Students.

Small Business Development Center (SBDC)

Regional Director: Eunice Choi
3201 E Colonial Drive, Suite A20, Orlando FL 32803 (Located in the National Entrepreneur Center); 407-420-4850
Email: echoi@bus.ucf.edu
<http://www.bus.ucf.edu/sbdc>

The Small Business Development Center (SBDC) is part of a statewide organization designed to promote economic development by responding to the needs of the small business community. The SBDC, as part of the College of Business Administration at the University of Central Florida, is responsible for eight counties in the Central Florida area including eight Sub-Centers located at Daytona State College, Eastern Florida State College, Seminole State College, Kissimmee Chamber of Commerce, City of Palm Coast, and three Lake County Business Opportunity Centers. Assistance is provided through workshops and no-cost individual consulting in the following areas:

■ Start-Up	■ Marketing
■ Finance	■ Accounting
■ Operations	■ Management
■ Technology	■ Business Plan Development

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Xchange, Export Marketing Plan Services, Growth Acceleration Services, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of PTAC and SBRN.



DIVISION OF STRATEGY, MARKETING, COMMUNICATIONS AND ADMISSIONS

Office of the Vice President for Strategy, Marketing, Communications and Admissions (SMCA)

Vice President for Strategy, Marketing, Communications, and Admissions: Alfred Harms (Vice Admiral, U.S. Navy [Ret])
Orlando Tech Center, 12443 Research Parkway, Suite 301,
Orlando 32826; 407-823-2232
<http://www.smca.ucf.edu>

Overview

The division is responsible for overall university strategic planning, organizational assessment, operational effectiveness improvements, and detailed planning support for myriad aspects of the university's mission.

The division is also responsible for communicating the life and success of the university through an integrated communications program, coordination of media relations, employment of creative broadcast services, and the attraction and enrollment of diverse, academically talented undergraduate students.

As one of the nation's largest public universities, UCF has a wonderful history of growth, diversity, service, and achievement in academics, campus life, research, economic development, community service, and partnerships with many constituencies, including the UCF academic community, current and prospective students, corporate partners, alumni, donors, community members, and elected officials.

Enterprise Decision Support (EDS)

Director: Linda Sullivan
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826;
407-823-5061
Email: dwarehouse@ucf.edu
<http://www.iroffice.ucf.edu>

The mission of Enterprise Decision Support (EDS) is to provide data integration services and actionable information solutions through the delivery of business intelligence applications and other knowledge management tools to support executive and operational decision-making and planning by the university community and to provide information for external agencies and the Florida Board of Governors.

Institutional Knowledge Management (IKM)

Assistant Vice President and University Data Administrator: M. Paige Borden
Research Pavilion, 12424 Research Parkway, Suite 215,
Orlando 32826; 407-823-5061
<http://www.iroffice.ucf.edu>

The mission of Institutional Knowledge Management (IKM) is to facilitate expansion of knowledge through official actionable information of the highest quality as a foundation for decision-making, policy formation, and institutional excellence.

Institutional Research (IR)

Associate Director: Patricia Ramsey
Research Pavilion, 12424 Research Parkway, Suite 215,
Orlando 32826; 407-823-5061
Email: iroffice@mail.ucf.edu
<http://www.iroffice.ucf.edu>

The mission of Institutional Research (IR) is to provide information of the highest quality which is timely, accurate, and useful to facilitate and enhance decision-making and planning at the University of Central Florida. The scope of the unit's responsibility embodies the university, state and federal agencies, and the general public.

IR provides electronic and web-based dissemination of official information to the university community (including the Board of Trustees, the various colleges, departments and other academic and administrative units), external agencies, and the Florida Board of Governors (BOG). IR generates, supervises and develops all official university data reports, and state-required BOG reports, and end-user data solutions.

News and Information

Associate Vice President for Communications & Public Affairs: Grant J. Heston
Orlando Tech Center, 12443 Research Parkway, Suite 301,
Orlando 32826; 407-823-5988
<http://www.today.ucf.edu>

The Office of News & Information is the university's primary communications department, focusing on public and media relations,

strategic internal communications, issues management, public affairs, and emergency communications and preparedness. Staff members serve as the university's official spokespersons and consistently offer high-quality, innovative and timely communications services to promote and protect UCF's reputation.

Operational Excellence and Assessment Support (OEAS)

Director: Patrice Lancey
Research Pavilion, 12424 Research Parkway, Suite 225, Orlando 32826; 407-882-0275
<http://www.oeas.ucf.edu>

The mission of Operational Excellence and Assessment Support (OEAS) is to support efforts to improve the effectiveness and efficiency of university operations and the quality of student learning outcomes through assessment.

OEAS accomplishes this by providing support to all administrative units and academic programs through integrated processes that include continuous quality improvement, survey development, data collection, analysis, and guidance in assessment.



Regional Campuses Enrollment Services, Marketing and Outreach

Associate Vice President: Angé Peterson
University Towers, 12201 Research Parkway,
Orlando 32826; 407-823-4547
<http://regionalcampuses.ucf.edu>

Regional Campuses works in partnership with the Division of Strategy, Marketing, Communications, and Admissions to provide services to regional campus students. The office centralizes multiple functions with multiple sites to accommodate the access, convenience and value of attending the UCF Regional Campuses for degree completion.

Regional Campuses Student Services

Interim Director: Pam Cavanaugh
University Towers, 12201 Research Parkway,
Orlando 32826; 407-823-4547
Email: pamela.cavanaugh@ucf.edu
Student Services, UCF Daytona Campus
Associate Director: Raphael Robinson
386-506-4028
Email: raphel.robinson@ucf.edu

Student Services: UCF Cocoa and UCF Palm Bay Campuses
Associate Director: Angelia Jones
321-433-7820
Email: angelia.jones@ucf.edu

Division of Strategy, Marketing, Communications and Admissions

Student Services: UCF South Lake, UCF Leesburg and UCF Ocala Campuses

Director: Pamela Brady

352-536-2219

Email: pamela.brady@ucf.edu

Student Services: UCF Valencia West, UCF Valencia Osceola and UCF South Orlando Campuses

Associate Director: Carol Black

Coordinator: Jim Smith

407-582-5487

Email: carol.black@ucf.edu

Student Services: UCF Sanford/Lake Mary Campus

Coordinator: Ashley Squillante

407-708-2805

Email: ashley.squillante@ucf.edu

The UCF Regional Campuses Student Services offices provide student services at each regional campus, including transfer orientation, career services, experiential learning, veteran services, transition assistance, and accommodations for students with disabilities. In addition, the offices provide programming and assistance to student organizations as well as provide various standardized test information.

Strategic Planning

Associate Vice President: Doan Modianos

MH 329; 407-823-1192

http://www.ucf.edu/strategic_planning/

The Office of Strategic Planning is responsible for maintaining the university's strategic plan and provides support and guidance to the larger university community regarding development and implementation of strategic plans at UCF. The office works closely with the Provost, Deans and Division Directors, Vice Presidents, and the Faculty Senate to ensure that the University's strategic planning efforts are well designed and effectively coordinated. Additionally, Strategic Planning provides data analyses and specific planning advice for academic and support units in developing their unit-level strategic plans.

Student Financial Assistance

Executive Director: Mary H. McKinney

MH 120; 407-823-2827

<http://finaid.ucf.edu>

The mission of the Office of Student Financial Assistance is to provide UCF students and the university community with quality services and comprehensive options for financial assistance through an efficient delivery of student aid. Financial aid counseling is available by appointment and for walk-in traffic. Due to confidentiality issues, counseling by phone and email is limited. Student Financial Assistance, a unit of Admissions within the division of Strategy, Marketing, Communications and Admissions, is dedicated to supporting and attaining UCF's mission and goals.

Student Outreach Programs

Director: Rhonda C. Hall

Orlando Tech Center, 12479 Research Parkway, Bldg. 600, Suite 215, Orlando 32826; 407-823-5580

<http://www.reachout.ucf.edu>

The primary mission of Student Outreach Programs is to attract, motivate, and prepare underrepresented students from the local area to complete a college education. These students are provided with essential information, educational materials, and collegiate experiences to enhance their preparation for post-secondary study, primarily through the efforts of two programs.

1. The UCF College Reachout Program (UCF-CROP) is supported by the Florida Department of Education's CROP program and provides campus and school-based programs to students in grades 6-12 to help strengthen their skills and likelihood of college success.

2. The UCF National Achievers Society, formerly the McKnight Center of Excellence, is supported by the Florida Education Fund and offers academic support and direct access to community-based programs for students in grades 6-12.

Television Services – WUCF TV

Associate Vice President for Communications & Public Affairs:

Grant J. Heston

Orlando Tech Center, 12443 Research Parkway, Suite 301,

Orlando 32826; 407-823-5988

<http://wucftv.org>

WUCF TV is the region's only PBS channel, reaching 4 million viewers. WUCF TV's mission is to enrich lives through educational, entertaining and inspiring programs and partnerships that positively inform and influence our community. WUCF TV also provides high-quality video production services to internal and external clients.

Undergraduate Admissions

Associate Vice President: Gordon D. Chavis, Jr.

Progress Energy University Welcome Center; 407-823-3000

Email: admission@mail.ucf.edu

<http://www.admissions.ucf.edu/>

The Office of Undergraduate Admissions coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-degree, and non-Florida state university, state college, and Florida College System institution transient students to UCF. The office's primary mission is to identify, recruit and enroll talented, diverse and academically qualified students who will contribute to and achieve growth and success at the University of Central Florida.

Office hours are: Monday/Thursday 9 a.m. to 6 p.m., Tuesday/Wednesday/Friday 9 a.m. to 5 p.m.

University Analysis and Planning Support

Director: Sandra Archer

Research Pavilion, 12424 Research Parkway, Suite 215, Orlando

32826; 407-882-0285

<http://www.uaps.ucf.edu>

University Analysis and Planning Support (UAPS) enhances the management capability within the University of Central Florida (UCF) by providing models and information to support and empower academic units, administrative units, and external stakeholders to utilize analysis and research results as the cornerstone for informed decision-making. UAPS develops and conducts a wide range of institutional and ad hoc studies. Specific areas of support include strategic planning, management analysis and planning, enrollment planning, and exploratory data analysis.

University Marketing

Associate Vice President: Terry K. Helms

Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando

32826; 407-823-5977

<http://marketing.ucf.edu>

UCF Marketing ensures the integrity of the UCF brand, increases the university's visibility and image, creates cost-saving opportunities, enhances revenues, attracts students, engages alumni, and informs the public through multiple media with strategic services and partnerships that tell the UCF story locally, statewide and nationally.



UNDERGRADUATE ADMISSIONS



Undergraduate Admissions

Associate Vice President: Gordon D. Chavis, Jr.
Progress Energy University Welcome Center; 407-823-3000
Email: admission@ucf.edu
<http://admissions.ucf.edu>

The Office of Undergraduate Admissions at the University of Central Florida coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-degree, and non-Florida public institution transient students to the Orlando campus and all regional campus sites. The office's primary mission is to identify, attract, and enroll talented, diverse, and academically qualified students who will contribute to, achieve growth and success at, and benefit from attending the University of Central Florida.

The Office of Undergraduate Admissions seeks to attract students who are motivated, creative, and committed to academic excellence. The office will accomplish this through personal contacts, strategic communication, information management, and targeted recruitment. The office is dedicated to providing quality customer service through effective teamwork and through the development of collaborative partnerships with both internal and external communities.

The office administers several programs for prospective students and parents, including daily tours and information sessions, open houses, area receptions for admitted students, and high school and Florida College System institution visits by admission representatives. It also provides the opportunity to meet one-on-one with an admission representative on campus. Please visit our website for further information. Office hours are: Monday/Thursday 9:00 a.m. to 6:00 p.m., Tuesday/Wednesday/Friday 9:00 a.m. to 5:00 p.m.

Campus Visit Experience

Information sessions and campus tours are available through our "Campus Visit Experience". All freshmen (First-Time-In-College: FTIC) and transfer prospective students and their families are encouraged to participate. The Campus Visit Experience, which includes both an

information session and tour of the campus, begins at the University Welcome Center at 10:00 a.m. and 2:00 p.m., Monday through Friday, except holidays. Reservations can be made by visiting our website at <http://admissions.ucf.edu>. Group tours of up to 80 or special requests may be accommodated and can be requested by visiting our website.

Admissions representatives are available to discuss particular concerns about admission to the University. You may contact the Office of Undergraduate Admissions at 407-823-3000 or visit us at our website. Information sessions and campus tours are also available for students interested in our Rosen College of Hospitality Management on International Drive. Please contact them at 407-903-8000 for further information.

Application for Admission

All interested applicants should complete the University of Central Florida "Undergraduate Admissions Application" online at <http://admissions.ucf.edu> and submit the \$30 (in U.S. Currency), non-refundable application fee. Students should apply **several** months in advance of an anticipated start date and provide a completed file by the published application deadline. Questions concerning admission requirements and applications can be forwarded to admission@ucf.edu.

Applications for admission can be submitted up to one year prior to the start of the term desired. The application deadlines are May 1 for the Fall semester (July 1 for Transfer students), November 1 for the Spring semester, and March 1 for the Summer term. The priority deadline for most financial assistance and scholarships is March 1. Information and an application for University housing can be found at <http://www.housing.ucf.edu>. Applicants can apply for housing once they are offered admission to the University. Requests for housing are subsequently reviewed according to the date of the receipt of the housing application. **The University does not discriminate based on race, color, religion, sex, national origin, age, disability, marital status, parental status, genetic information, sexual orientation, gender identity, gender expression, or veteran status.**

Applicants should understand that this *Undergraduate Catalog* outlines minimum requirements to be considered for admission and that admission to the University is competitive. The satisfaction of minimum requirements **does not** guarantee admission. Conversely, Florida Department of Education policy allows the University to admit students to any semester as exceptions to the minimum requirements. The Office of Undergraduate Admissions and the Admissions and Standards Committee are responsible for the admission of all undergraduate students under this exception policy.

Applicants must submit official transcripts from each educational institution attended to the Office of Undergraduate Admissions. Applicants must likewise submit official score reports for credit earned from each appropriate testing agency (e.g. AICE, AP, CLEP, or IB). To be considered official, supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting documents must be received by the Office of Undergraduate Admission no later than six (6) days after the first day of classes.

Note: Furnishing false or fraudulent statements in connection with an application for admission or residency affidavit may result in disciplinary action, denial of admission, loss of financial aid, and invalidation of credits or degrees earned.

Those enrolled students who have not submitted official completed records by the deadline will be placed on administrative hold. Students with these incomplete records will not be permitted to register for a future term until all official transcripts and other required documentation have been received. If, upon review of final transcripts, student records are not satisfactory, they may be placed on academic probation, have their admission status revoked, changed to non-degree or transient status, may become ineligible for financial assistance, and may, in some cases, be withdrawn from the University. In addition to the required documentation mentioned above, students must have a satisfactory conduct record at all schools attended.

Due to restrictive state regulations, UCF is not permitted to provide online courses or instruction to students in some states. The list of states currently restricted is available at <http://programs.online.ucf.edu/>. While residing in one of these states, students may not be permitted to enroll in UCF online courses.

Reactivation

Students who have submitted an application for admission to UCF as a degree-seeking student and do not attend, may reactivate the original application **within one year** of the term for which they first applied. To update the application, students should complete the Reactivation Form by the published application deadline date. This form can be found online at <http://admissions.ucf.edu>. This process reactivates the application only; additional official credentials may be required. Admission for one term does not guarantee admission for a future term.

Limited Access Programs

Admission to the University **does not** guarantee admission to a limited access program. Some majors at the University limit the number of students who may enroll. Limited access status occurs when student demand exceeds available resources (e.g., faculty, instructional facilities, equipment) or when specific accrediting requirements apply. Criteria for admission are selective and include: indicators of ability and indicators of performance, creativity, or talent to complete required work within the program.

Orientation

All first-time undergraduate degree-seeking students are required to attend orientation prior to enrollment. Orientation information is mailed to all FTIC students offered admission who have submitted their enrollment deposit and to all transfer students offered admission to the University. Information regarding orientation may also be viewed on the website at <http://fye.ucf.edu/>.

Admission Categories

Students may submit applications to the University for one of the following categories:

- A. Freshman (First-Time-In-College: FTIC)
- B. Dual Enrollment/Early Admit (includes early admission and dual enrollment, on- or off-campus)
- C. Transfer*
- D. Second Bachelor's Degree
- E. Transient (one term enrollment only, not from a Florida public institution)**

- F. Non-Degree Seeking (not including students who have already earned a bachelor degree)***
- G. Limited Non-Degree Seeking****
- H. Special Non-Degree Seeking (includes students participating in specific non-degree seeking programs including ROTC, Study Abroad only, Marching Band only, and Rosen College exchange programs)

*Transfer students with 60 semester hours or more may also designate one of many Regional Campus sites. Please refer to the application.

**Students applying as transient from a Florida public institution should apply through Florida Virtual Campus at <http://www.flvc.org>.

***Students who have already earned a bachelor degree and wish to attend as non-degree seeking should follow the procedure through our Graduate Admissions Office located at http://www.admissions.graduate.ucf.edu/nondegree_applicants/.

****Please see the "Academic Regulations and Procedures" section of this catalog for this admission category.

Freshman Applicants

Any FTIC student who meets Florida Board of Governors regulation for minimum admission requirements is encouraged to submit an application. Meeting these minimum requirements **does not** guarantee admission. An applicant's total high school record (including grades, test scores, educational objective, quality of courses completed, counselor recommendations, essay, and personal achievements and honors) will be considered in the selection process. The University reaffirms its Equal Educational Opportunity (EEO) commitments and seeks to increase diversity among the student body.

High School Diploma

Freshmen who are applying for admission to the University are required to have a standard high school diploma (or the equivalent) or a General Equivalency Diploma (GED).

Entrance Examination Scores

All FTIC applicants for admission must submit test scores from the SAT Reasoning Test or the ACT. In addition, any student whose native language is not English may be required to submit a Test of English as a Foreign Language (TOEFL) or an International English Language Testing System (IELTS) score.

High School Academic Units and Grade Point Average

All applicants must have earned a minimum number of high school academic units (year-long courses that are not remedial in nature) to be considered for admission. A grade point average (GPA) will be computed only on academic courses. Plus(+) and minus(-) will not be included in the high school GPA recalculation. Grades in International Baccalaureate (IB), Advanced Placement (AP), Cambridge Advanced International Certificate of Education (AICE), honors and dual enrollment courses will be given additional weight in the computation of the academic GPA. The high school academic unit requirements are as follows:

Academic Subjects	Units Required
■ English (three of which must have included substantial writing)	4
■ Mathematics (at or above the Algebra I level)	4
■ Natural Science (two of which must have included substantial laboratory requirements)	3
■ Social Science (included: history, civics, political science, economics, sociology, psychology, and geography)	3
■ Foreign Language (both credits must be in the same language)	2
■ Additional academic electives from the above five subject areas and courses recommended by the Florida Assn. of School Administrators, or other groups, and courses recommended by the Articulation Committee and approved by the Department of Education	2
Total Units	18

Applicant Eligibility

As stated in Florida Board of Governors Regulation 6.002, an SAT or ACT is required of all State University System FTIC applicants. Students with a high school GPA of 2.5-2.99 on a 4.00 scale as calculated by the university must obtain the following minimum scores

Undergraduate Admissions

in all three sections of either the SAT Reasoning Test or ACT with Writing as outlined below:

- SAT Critical Reading = 460 or ACT Reading = 19
- SAT Mathematics = 460 or ACT Mathematics = 19
- SAT Writing = 440 or ACT English/Writing = 18

Each state university reserves the right under Florida BOG regulation (6C 6.002) to establish admission criteria that exceeds Florida BOG minimums.

- Admission to the University is limited by space availability. The degree of competition for space depends on the number and qualifications of those who apply for admission. To increase the chance of admission, high school students should present credentials that are stronger than the minimum requirements for consideration as listed above. If the number of qualified applicants exceeds the number that the University is able to enroll, a waiting list will be established.
- A student applying for admission who does not meet established requirements may bring to the University other important attributes or special talents and may be admitted if, upon appeal and in the judgment of the Admissions and Standards Committee, the student can be expected to do successful academic work. The University will provide appropriate advising for each student admitted under this alternative.
- Students who have been enrolled in dual enrollment courses will be required to have a minimum "C" average (2.0 GPA) for all completed dual enrollment course work.
- A student must have two years of one foreign language in high school or the equivalent (minimum eight credit hours) at the post-secondary level, to be offered admission.

Dual Enrollment/Early Admit Applicants

High School students who have demonstrated exceptional academic ability may be permitted to enroll as university students while completing their high school programs. There are three types of dual enrollment programs:

1. Early Admission is for students who have completed their junior year in high school and would like to enroll at the University as full-time students for their senior year of high school to complete their high school graduation requirements. Students must submit an application for admission by the published application deadline date. In addition, the following information is required:

- official copy of high school transcript(s);
- official copy of SAT Reasoning Test or ACT;
- written letter of recommendation from high school counselor or school district permission form; and,
- written permission from parents or legal guardian.

2. Dual Enrollment On-Campus is for students who desire to dual enroll on a part-time basis, taking one or two courses on campus, while completing their high school course work. Students must submit an application for admission by the published application deadline date, as well as all items listed above. Additional documentation may be required.

3. Dual Enrollment Off-Campus is for students whose high schools sponsor on-site courses at specific high schools. Students earn both high school and college credit for successful completion of course work. Each respective high school selects students who are eligible to participate in these programs. Contact your high school guidance office for detailed information.

Transfer Applicants

UCF welcomes transfer applications to the university. Students should apply online at <http://admissions.ucf.edu> and arrange to have official transcripts sent from all colleges attended. The Office of Undergraduate Admissions computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades and only recognizes grade forgiveness when it is used as part of an awarded statewide articulated Associate in Science degree or an Associate in Arts degree from a Florida public institution. Applicants must have a cumulative minimum GPA of 2.0 as well as a minimum GPA of 2.0 and be in good standing as a degree-seeking student at the last institution attended to be considered for admission to UCF. **Meeting these minimum requirements does not guarantee admission.**

Transfer students are required to complete at least 30 hours in residence at UCF to earn a bachelor's degree. In addition, students must complete 48 hours in residence at UCF to be eligible to receive baccalaureate honors recognition at the time of graduation.

Transfer students are encouraged to review the current edition of UCF's "Transfer Student Counseling Manual" available at http://transfer.sdes.ucf.edu/transfer_student_manual/. The manual provides the recommended Florida College System institution course requirements for all majors as well as other helpful information.

Transfer Applicants with Fewer Than 60 Credit Hours

All college transfer applicants with fewer than 60 credit hours of acceptable credit must minimally meet freshman high school unit entrance requirements, the high school academic GPA, and minimum SAT or ACT scores; have at least a 2.0 GPA on a 4.0 system for all college-level academic courses attempted; and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. Meeting these minimum requirements **does not** guarantee admission.

Transfer Applicants with an A.A. Degree from a Florida Public Institution

Admission of Associate in Arts (A.A.) degree graduates from Florida College System institutions, Florida public state colleges, and Florida state universities will be governed by the Articulation Agreement between the state universities and Florida College System institutions of Florida, as approved by the State Department of Education. The agreement states: The associate in arts degree is the basic transfer degree of the Florida College System institutions. It is the primary basis for admission of transfer students from Florida College System institutions to upper division study in a state university. Every associate in arts graduate of a Florida College System institution shall be granted admission to an upper division program consistent with Section 1007.23, F.S. Admission to the student's preferred public postsecondary institution or program is not guaranteed.

Any student admitted without two years of one foreign language in high school or the equivalent (minimum eight credit hours) of such instruction at the post-secondary level, must satisfy the admission requirement prior to graduation. Florida College System institution Associate in Arts graduates are guaranteed the following rights under the Statewide Articulation Agreement (State DOE Rule 6A-10.024):

1. Admission to one of the eleven state universities, except to "limited access" programs (programs that have additional admission requirements);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
3. Transfer of equivalent courses under the statewide Course Numbering System;
4. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, PEP, Dual Enrollment, Early Admission, and International Baccalaureate);
5. No additional General Education Core requirements;
6. Advanced knowledge of selection criteria for limited access programs; and
7. Equal opportunity with native university students to enter limited programs.

Should any guarantee be denied, students have the right of appeal through the Office of Undergraduate Admissions and the Admissions and Standards Committee.

Transfer Applicants - More Than 60 Hours, Have Not Received an A.A. Degree from a Florida Public Institution

Undergraduate transfer applicants who desire to be admitted as upper division students must have met, at least, all of the following requirements:

- A minimum of a 2.0 GPA and 60 credit hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule; and,
- A minimum of eight credit hours of college instruction in a single foreign language. This requirement applies to those students without the required two units of a single foreign language in high school.

Meeting these minimum requirements does not guarantee admission.

Second Bachelor's Degree Applicants

Second Bachelor's Degree applications are processed by the Undergraduate Admissions Office or the Registrar's Office. Guidelines for which office students should make application to are outlined as follows:

- Students who **have never attended** the University of Central Florida as degree seeking undergraduate students must apply to the **Office of Undergraduate Admissions**. Students should complete the undergraduate admissions application online at <http://admissions.ucf.edu/>.
- Students who **have previously attended** the University of Central Florida as a degree-seeking undergraduate student should apply through the **Registrar's Office**. These students should follow the Readmission procedure located online at <http://www.registrar.ucf.edu/forms/readmission/>.

Credits from a Previous Baccalaureate Degree

Graduates from other regionally-accredited four-year U.S. institutions who apply for admission to work toward a second undergraduate degree must meet the regular requirements of the university (as defined in the "Undergraduate Degree Requirements" section of this *Undergraduate Catalog*). Students must meet all transfer GPA requirements. A baccalaureate degree or higher from another regionally accredited four-year U.S. institution satisfies the General Education Program requirements and also provides exemption from the foreign language requirements for admission and graduation.

Note: If a baccalaureate degree from a regionally accredited four year U.S. institution includes credit from a non-regionally accredited institution, the credit from the non-regionally accredited institution may not be included as transfer credit. This would result in the transfer of less than the total number of credit hours awarded within the baccalaureate degree.

Transient Student Applicants

A student in good standing with a minimum 2.0 GPA at the last regionally-accredited institution attended who desires to enroll for one term at UCF may be considered for admission as a transient student. Such enrollment terminates at the end of one term and does not presuppose regular admission to the University. A transient student must submit an official transcript from the last institution attended. Transient student applications must be received by the appropriate application deadline. If a student's last school of attendance is a Florida public institution, they must apply through the Florida Virtual Campus website at <http://flvc.org>. Transient students are not eligible to receive financial aid. Registration is permitted on a space-available basis. Meeting minimum GPA requirements does not guarantee admission.

Non-Degree Seeking Applicants

A student who wishes to attend UCF but not work toward a degree and has not already earned a bachelor's degree, must apply to the Office of Undergraduate Admissions as a non-degree seeking student. Non-degree seeking applicants must follow the same procedure and must meet the same admission requirements as transfer applicants. Please see the details on the previous page for transfer applicants. **Meeting minimum admission requirements does not guarantee admission.**

A student who has already earned a bachelor's degree and wishes to attend as non-degree seeking should follow the procedure through our Graduate Admissions Office located at http://www.admissions.graduate.ucf.edu/nondegree_applicants/.

International Applicants

The University of Central Florida is authorized under federal law to enroll students on non-immigrant visas. All international candidates applying for admission to UCF must submit a University of Central Florida Undergraduate Admissions Application online at <http://admissions.ucf.edu>. Because of additional processing time needed for non-immigrant students joining UCF on F-1 or J-1 visas, those students should submit the application and all required academic documentation by the international application deadlines. The international application deadlines are as follows: Fall, **March 1**; Spring, **September 1**, and Summer, **January 1**.

The following items will be needed in order to review an application for admission:

- Submit the completed UCF admissions application form with the required \$30.00 non-refundable application fee (check or money order in U.S. currency). An online application is available on our website at <http://www.admissions.ucf.edu>.

- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation and a GPA computation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on this evaluation.
- If the student has attended any international universities, an English translation and evaluation of work completed at each institution will be necessary. Transcripts should be sent to one of the agencies below for a course-by-course evaluation. Please note that if 60 or more credit hours have been earned at a post-secondary institution, it will not be necessary to submit the secondary school records.
- Results of the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) **may** be required of students whose first language is not English. Information can be obtained from TOEFL at <http://www.toefl.org> or IELTS, <http://www.ielts.org>.
- Results of the SAT or ACT will be required if the student has earned less than 60 credit hours of college credit. Information regarding these examinations may be obtained from the College Board (SAT) at <http://www.collegeboard.org> or from ACT at <http://www.act.org>. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

These students must also complete and submit the required financial and immigration documents by the deadline. Applicants must also file a "Certification of Finances" form and supporting financial documents with the International Services Center indicating financial support to cover educational and other expenses for the first year of study. These documents can be found online at <http://www.intl.ucf.edu/index.cfm?PageID=238> and must be on file prior to the issuance of the I-20 or DS-2019 forms by the University.

Educational Translations and Evaluations

Foreign diplomas must meet the requirements specified in Florida Statutes, section 229.814. UCF will accept evaluations of academic credit from these agencies:

Josef Silny and Associates World Education Services
<http://www.jsilny.com> <http://www.wes.org>

Mandatory Health Insurance for International Students on F-1 and J-1 Visas

Each international student on an F-1 or J-1 visa offered admission shall, prior to registration for classes, submit proof of required health insurance coverage to UCF Health Services to comply with the State of Florida mandatory health insurance requirement for F-1 and J-1 students. Minimum coverage limits are posted on the Health Services website at <http://www.hs.ucf.edu>. Use the link for health insurance that directs you to information that is specific to the UCF-endorsed health insurance plan that meets all the State of Florida requirements.

Written proof of insurance must also be provided if the insurance is issued by a foreign carrier or underwriter. A statement must be provided in English to assure that the policy meets the State of Florida minimum levels of insurance coverage.

The University reserves the right to refuse registration to any international student on F-1 or J-1 visa who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids in any way the responsibility to comply with the insurance requirement. For questions, call UCF Health Services at 407-823-1261 or go to their website noted above.



Undergraduate Admissions

Non-Academic Admission Clearances

Florida Board of Governors Regulation 6.001 (7) authorizes universities to refuse admission to applicants due to past misconduct. The University further requires the Vice President For Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University, shall be denied admission or readmission, or may receive any other academic and/or disciplinary action prescribed by the University, including but not limited to academic dismissal.

Transfer Credit: All Applicants

All grades from a regionally-accredited college or university in transfer courses that are normally part of a baccalaureate degree program are shown on the student's permanent UCF record. Effective Fall 2001, the University recognizes a grading system of plus or minus. In addition, grade forgiveness is honored only if it has been awarded as part of an AA or a specific statewide articulated AS degree from a Florida public institution. Credit is not awarded based on job descriptions, life experience, or course work that is non-academic, or transfer course work from a non-regionally accredited institution included within a baccalaureate degree earned from a regionally accredited institution.

Accredited Institutions

For the purposes of this *Undergraduate Catalog*, "Accredited Institutions" means those colleges and universities accredited by any of the following six regional associations:

- New England Association of Schools and Colleges;
- Middle States Association of Colleges and Secondary School, Commission on Institutions of Higher Education;
- North Central Association of Colleges and Schools, Commission on Colleges and Universities;
- Northwest Association of Secondary and Higher Schools, Commission on Higher Schools;
- Southern Association of Colleges and Schools; and
- Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities and Accrediting Commission for Junior Colleges.

The accreditation status of all foreign institutions **must** be evaluated through either Josef Silny and Associates, Inc. or World Education Services.

All college level credits earned for which official transcripts have been submitted will be compiled into a "Transfer Summary Report"

(TSR) soon after the student is offered admission. Some credits listed on the TSR may not be applicable toward graduation course requirements. The TSR will be the basis for constructing a Degree Audit, which applies earned credits to the intended degree program. The Degree Audit provides the student with an assessment of which degree requirements have been met and what remains to be satisfied. Although all college-level course work transferred from a regionally accredited institution is shown on the TSR and the UCF transcript, applicability of the course toward a degree requirement is **determined by the college/school/department of the major**.

General Education Transfer Credits

Transfer students from a Florida College System institution or state university may satisfy the General Education Program requirements of UCF by completing the general education program prescribed by that institution. Transfer applicants with incomplete general education programs will have their credits evaluated on a course-by-course basis.

Credits from Private and Out-of-State Institutions

Transfer credit from private junior and senior colleges and out-of-state institutions will be evaluated on a course-by-course basis. Each student must submit the necessary petition(s) to the appropriate office(s) to determine which courses will transfer with regard to degree progress at UCF. Transfer courses that meet the requirements of the General Education Program and the Gordon Rule are determined through the process described in the "Undergraduate Degree Requirements" chapter of this *Undergraduate Catalog*. Petition procedures vary by college. Generally the petitioning of transfer courses for satisfaction of college and major requirements should be done during the second full term of the student's residency at UCF, so that the accepted transfer courses are understood clearly by the student and the faculty advisor early in the student's tenure at UCF.

Credits from Military Service School Courses

Completed military service school courses may be evaluated on the basis of the recommendations of the American Council of Education (ACE) when official credentials have been properly presented. While credit may be granted when courses are equivalent to those offered by the University, recommendations by the ACE are not binding upon the University. Even though military records may have been evaluated by another regionally-accredited institution, it is important to have official credentials sent to UCF for evaluation. Credit is not awarded for basic training.

Baccalaureate Honors

Transfer students should be aware that eligibility for graduation with baccalaureate honors requires the completion of a minimum of 48 credit hours at UCF and is based upon an overall grade point average. For more details, refer to 'Academic Honors' within the "Academic Regulations and Procedures" section of this *Undergraduate Catalog*.



STUDENT FINANCIAL ASSISTANCE



Office of Student Financial Assistance

Executive Director: Mary H. McKinney

MH 120; Switchboard: 407-823-2827; Appointment: 407-823-5285;

Fax: 407-823-5241

Email: finaid@ucf.edu

<http://finaid.ucf.edu>

Office Hours:

Monday: 9:00 a.m. - 5:30 p.m.

Tuesday, Wednesday, Friday: 9:00 a.m. - 5:00 p.m.

Thursday: 1:00 p.m. - 5:30 p.m.

(Hours subject to change during holidays and semester breaks.)

The mission of the Office of Student Financial Assistance is to provide UCF students and the University community comprehensive quality service by offering options for financial assistance and efficient delivery of aid. Financial aid counseling is available by appointment. Due to confidentiality, counseling by phone and email is limited. Student Financial Assistance, a unit of Strategy, Marketing, Communications and Admissions, is dedicated to the attainment of UCF's mission and goals.

Student Rights and Responsibilities

Students have the right to full information about the financial aid programs available at UCF, our application procedures, aid deadlines, and the criteria used to determine a financial aid package. Students have the right to appeal decisions made by the Office of Student Financial Assistance. Students also have the right to equitable treatment of their financial assistance applications. Although each student's case is analyzed individually, eligibility standards are applied uniformly without regard to race, gender, religion, creed, national origin, or physical handicap. All students' records are confidential.

It is the student's responsibility to review and understand all information and instructions, meet all deadlines, and provide all information and documentation accurately. Errors and omissions can cause delays and prevent students from receiving assistance. Misrepresentation is a violation of the law.

Student Eligibility

To receive aid from most federal and state financial aid programs, students must meet certain requirements. All students are encouraged to complete the Free Application for Federal Student Aid (FAFSA) annually, before March 1, to determine eligibility. The FAFSA results are required for many programs. The federal processor, using a standardized formula, calculates financial need. Those results are then forwarded to the schools that were identified on the application as considered for attendance. UCF must be listed on the FAFSA in order to receive the data. UCF's Title IV code is 003954. Regulations are subject to change at any time.

Application Priority Date

All students must apply or reapply yearly for financial aid.

To be considered for the full range of financial aid available, students should complete the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA by mid-February. The processed results of the FAFSA must be received by UCF by March 1st to meet our application priority date.

- If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal Direct Stafford Loan, and Federal Direct PLUS Loan;
- Students should not wait to be admitted to UCF before applying for financial aid;

- Federal Pell Grants and Federal Direct Stafford Loans are available on a year-round basis. Students may apply for financial aid in advance of any term and receive aid from these programs, if eligible;
- Students should have a complete financial aid file at least 60 days prior to the beginning of the semester. Students who apply late for aid should be prepared to cover their own living expenses, out-of-pocket, well into the term;
- A broad range of scholarships is available with diverse criteria. Please review the Scholarship Listing on the website for specific deadline dates for individual scholarships.

Application Procedures

- The FAFSA can be filed electronically at <http://www.fafsa.ed.gov>. A link is provided on the website.
- Using the IRS Data Retrieval Tool in the online FAFSA application is the fastest, easiest, and most secure method of providing the required tax information. Applicants who use the unchanged data from the IRS Data Retrieval Tool will not be required to provide verification of tax information. Students who are selected for Verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, will be required to submit IRS tax transcripts to verify tax information. Per federal law, copies of tax returns are no longer acceptable beginning in 2012-2013. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries.
- Messages from the federal processor should be reviewed thoroughly;
- Review all correspondence, follow instructions on the Student Aid Report (SAR), and follow through promptly. Delays can be costly as well as frustrating;
- Federal regulations require that some students be selected for Verification. If selected, students will be required to provide documents supporting the information submitted on the FAFSA. Sometimes subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests for additional documentation will expedite completion of this process;
- Offered federal funds and other need-based financial aid are not considered firm until Verification is complete and all necessary corrections have been made.

Specific Eligibility Requirements and Conditions for Receiving Financial Aid

- Students must be accepted and classified as degree-seeking at UCF in an eligible program. Only courses toward degree requirements count for financial aid purposes;
- Students must maintain UCF's Standards for Satisfactory Academic Progress;
- Students are required to inform the Office of Student Financial Assistance of any additional sources of aid they expect to receive beyond those listed on the award notification or award information provided on the Student Center on myUCF. Any subsequent awards or income may necessitate a revision of the financial aid award/s. This includes, but is not limited to, any private scholarships or third party tuition payment/waivers;
- Students may not receive aid in excess of their Cost of Attendance;
- Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution;
- Students must provide all information requested for the completion of their file. If selected, Verification must be completed within specified deadlines and prior to the receipt of all federal and most state and institutional funds;

Student Financial Assistance

- Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA;
- Students must reapply annually for financial aid;
- Students must accept, reduce or decline offered loan(s) on the myUCF View Financial Aid screen. First time borrowers must complete an online Entrance Counseling and Master Promissory Note (MPN) for a Federal Direct Stafford Loan at UCF;
- Students must be U.S. citizens or an eligible non-citizens, (e.g. resident aliens). Eligible non-citizens include a permanent U.S. resident with a Permanent Resident Card (I551); a conditional permanent resident with a Conditional Green Card (I-551C; as well as some I-94 classifications;
- Students must have a high school diploma or GED certificate;
- For need based programs, students must show a financial need as determined by the FAFSA;
- Male applicants must be registered with Selective Service, if applicable.

Program Eligibility Charts

To ensure enrollment in sufficient hours for the various financial aid programs, please refer to the Program Eligibility Charts on the website, under Receiving Aid.

Helpful Hints

- Apply early to be considered for the full range of financial aid available each year by completing the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA. The processed results of the FAFSA must be received by UCF from the federal processor by March 1 to meet our application priority date;
- Use the IRS Data Retrieval Tool in the online FAFSA application. Applicants who use the unchanged data from IRS Data Retrieval Tool will not be required to provide verification of tax information. Students who are selected for Verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, will be required to submit IRS tax transcripts to verify tax information. Per federal law, copies of tax returns are no longer acceptable beginning in 2012-2013. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries;
- Start a folder to save financial aid information and photocopies of all documents filed and received. Include student's name and PID on all documents submitted. (Do not submit originals; documents will be shredded after scanning.)
- Activate Knights Email account and check it regularly to avoid missing important and critical information from the Office of Student Financial Assistance and the university;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Direct Stafford Loan, even if it doesn't seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered.
- Respond promptly to all information requests;
- If there are extenuating circumstances or problems at any time, call the appointment line, 407-823-5285, to meet with a counselor;
- Comprehensive financial aid information can be found on the website: <http://finaid.ucf.edu>.

School Costs

Estimated student budgets have been developed as a guide to help students anticipate their costs at UCF. Please refer to the website for the estimated Cost of Attendance.

Estimated Cost of Attendance for 2013-2014				
Undergraduate Students				
Fall/Spring based on 14 hours per term				
	Florida Residents		Non-Florida Residents	
Living Arrangement	On/Off Campus	Parent/Relative	On/Off Campus	Parent/Relative
Tuition and Fees	\$6,576	\$6,576	\$22,202	\$22,202
Books	1,146	1,146	1,146	1,146
Room & Board	9,300	4,806	9,300	4,806
Transportation	1,800	1,800	1,800	1,800
Personal Expenses	2,276	2,276	2,276	2,276
Total Costs	\$21,098	\$16,604	\$36,724	\$32,230

Financial Aid Programs Available at UCF

Financial aid comes in many forms, such as grants, loans, employment, waivers, and scholarships. The Program Eligibility Charts on the website under "Receiving Aid" list the various programs and their specific enrollment requirements. Detailed information for each program can also be found on the website under its particular title.

Grants are considered gift aid and do not have to be repaid. Only undergraduate students who have not previously received a bachelor's degree and who demonstrate financial need may be eligible for grant programs. Awards are based on the amount of available funds and the number of eligible applicants. To be considered for grant awards, students must meet eligibility requirements and have a valid FAFSA on file at UCF.

Loans are borrowed funds that must be repaid. They provide undergraduate students with an opportunity to invest in their future. Undergraduate students must enroll for at least six hours at UCF in UCF classes to be considered for federal loans.

Federal Work Study is designed to provide students who demonstrate financial need a chance to earn money while pursuing a degree. Individual departments hire students while the Office of Student Financial Assistance determines the eligibility, award amount, and pay rate.

Scholarships are awarded based on various criteria, including financial need, campus/community activities, leadership positions, academic success, and work experience. Scholarships are designed to reward, encourage, and assist students in pursuing academic excellence and leadership roles.

Award Notification

Award notifications are mailed to first time UCF students after March 15th, while email award notifications are sent to continuing students. Initial awards may be amended due to factors such as contingent admission status, less than minimum hours enrolled, lack of academic progress, changes needed due to Verification, incomplete files, additional resources, etc.

Student awards will be based upon the student's financial need, the amount of available funds, the number of UCF students who qualify for aid, and the date the student completes the application process. The amounts listed on the award notifications are estimates based on full-time enrollment. For purposes of financial aid, enrollment is based solely on classes that count toward degree completion. If a class is not required to earn a degree, then the hours of that class are not used to calculate a student's enrollment.

Admission to UCF must be finalized with no contingencies. Students must be classified as degree-seeking.

Verification, if required, must be completed. Students must meet the Standards for Satisfactory Academic Progress. If all eligibility is met, financial aid funds may be disbursed.

It is the student's responsibility to be aware of minimal hourly requirements for each program, which can be found on the Program Eligibility Charts on the website. When requirements are no longer met, awards will be adjusted as necessary and will appear on myUCF. All awards are subject to change.

Deferrals of Tuition and Fees

Financial aid awards will normally result in a deferment of tuition and fee payments. Deferments allow for the time lag that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is normally two to three weeks after the term begins. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferment process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferments are also subject to change. In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. To have access to accept loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Drop/Swap in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they never attended.



Disbursements

Timing of disbursements is contingent upon students meeting all conditions for receiving aid. Disbursement of financial aid begins the second week of the semester. At the end of Drop/Swap and Add, awards are adjusted based on student's enrollment. The week following, the disbursement process is initiated by moving awards to the student's account. Once funds are disbursed to the office of Student Account Services, the disbursement record is posted on myUCF under View My Account on the Student Center. Charges appearing on the student's account will be deducted at that time. Any remaining financial aid will be processed as a refund with the exception of any Federal Direct PLUS Loan for Parents, which will be disbursed to the parent at their mailing address. If charges remain on the account after disbursements, or if subsequent charges are made to the student's account, it is the student's responsibility to make sure they are paid. Students signed up for direct deposit should allow up to four business days for funds to show in their bank account. For refund checks that are being mailed, students should allow at least a week to receive their check at their current mailing address on myUCF.

Students should be aware of the disbursement process so that they are prepared to use their personal savings for anticipated expenses such as books and supplies at the beginning of the term. The Short Term Advance (STA) for Books or the Textbook Purchase Program is available for students to help with these expenses. The STA application is available for download prior to each term, so that funds may be available as early as the week before the first day of classes. For additional information regarding these two programs, visit: http://finaid.ucf.edu/receiving/funds_for_books.html.

Satisfactory Academic Progress (SAP)

Federal regulations require the University to establish Standards of Satisfactory Academic Progress as a general eligibility requirement for financial aid. A student must maintain satisfactory academic progress in a course of study regardless of whether the student previously received financial aid or transferred in from another institution.

To meet the standards adopted by the University of Central Florida, a student must:

- Complete a minimum of 70% of all credit hours attempted. Compliance of this requirement is checked at the end of each term. Students who do not earn 70% of all credit hours attempted will be placed on financial aid warning for the next term/semester. At the end of the following semester, students must meet the 70% standard or aid will be canceled for future terms until student either meets the standards or the student has an appeal approved putting them on financial aid probation with an academic plan on file demonstrating the requirements for the student to get back on track towards graduation.
- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of attempted hours, based on their classification. This includes transfer hours counting toward the degree plus all UCF hours (see chart below).
- Repeated course/s, including the original attempt, will be counted towards the maximum time frame and hours completion ratio requirements.
- For detailed SAP policy information, please refer to the Office of Student Financial Assistance website at: <http://finaid.ucf.edu>.

Classification	Maximum Hours Allowed For Completing Degree
Undergraduate (All undergraduates, including Second Degree)	Undergraduate 180 Attempted Hours (including all undergraduate level hours)
Masters	70 Attempted Hours
Specialist	100 Attempted Hours (including all graduate level hours)
Doctoral	120 Attempted Hours (including all graduate level hours)

Re-establishing Eligibility after Cancellation

Any student with extenuating circumstances, (i.e., death of a relative, an illness or injury of the student, etc.), who is placed on cancellation status may appeal to the Financial Aid Review Committee for reinstatement based on his/her special case.

If the student was canceled for the failure to complete 70% of the attempted hours and since cancellation, has brought up the percentage to a minimum of 70%, the student will be reinstated during the end of the semester review process.

If a student was canceled for not meeting the GPA requirement, they will be placed back on a reinstated status once their GPA has been brought up to the proper level during the end of semester review process.

To appeal, the student must:

- Complete the Satisfactory Academic Progress Appeal Form; (available on the Office of Student Financial Assistance website at: <http://finaid.ucf.edu>, under Forms).
- Attach documentation that supports specific circumstance(s) to the appeal form;
- Meet with Academic Advisor to complete an Academic Plan;
- Submit the appeal and the supporting documentation to the Office of Student Financial Assistance. After a thorough evaluation of the written request and all supporting documentation, the Financial Aid Review Committee will notify the student of the decision by email communication or the student may view the updated status on myUCF, under View Financial Aid Status.

Satisfactory Academic Progress Probation

Students who submit a SAP Appeal that is approved will be placed on Financial Aid Probation, and will be continued on probation as long as they successfully comply with the prescribed academic plan that is submitted as part of the SAP Appeal. Progression will be monitored during the probationary period at the beginning and end of each semester to ensure the student is following the prescribed academic plan and successfully matriculating through their program of study. Disbursements will not be made for a semester unless it is verified that the prior review (if applicable) was acceptable and student is in the proper classes for the term in question.

Transfer Students

Be informed. Not all financial aid programs are transferable and eligibility for some programs will be determined by UCF. The application process must be complete; pay close attention to priority filing dates. If a FAFSA for the year in question has already been filed, request that the federal processor forward the information to UCF, School Code 003954, by utilizing Part II of the Student Aid Report, by adding the UCF School Code to the online FAFSA, or calling the Federal Student Aid Information Center at 1-800-4 FED AID. The To Do List on myUCF will indicate any required forms.

Independent Students

You will be classified as independent for financial aid purposes if at least one of the following applies:

- you are 24 years of age or older by December 31 of the award year;
- you are married at the time the original FAFSA was filed for the year;
- you are or will be enrolled in a master's or doctorate degree program (beyond a bachelor's degree) at the beginning of the academic year;
- you have children who receive more than half their support from you;
- you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30th of the school year;
- you are currently serving on active duty in the U.S. Armed Forces for purposes other than training;
- you are a Veteran of the U.S. Armed Forces. ("Veteran" includes students who attended a U.S. Service Academy and who were released under a condition other than dishonorable.)
- at age 13 or older, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
- you are an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless;
- you were determined, by the director of an emergency shelter program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless; or,
- you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless.



Student Financial Assistance

Transient Enrollment

Students who have been approved to take classes at another institution while attending UCF might have those hours counted toward meeting financial aid requirements for some programs at UCF. Transient enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Check the Program Eligibility Chart for detailed requirements for each program. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility.

UCF students attending a Florida public community/state college or university must complete the Transient Student Admission Application through Florida Virtual Campus at <http://www.flvc.org>, and submit the Transient Notification Form for Financial Aid for Florida Public Community/State Colleges or Universities on or before the withdrawal deadline of the term in which aid is to be disbursed.

UCF students attending any college or university other than a Florida public institution must submit the following documents to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:

1. Transient Notification Form for Financial Aid for Out of State and Private Institutions.
2. A copy of the Fee Invoice and Class Schedule from the transient (host) Institution.
3. A copy of the Transient Student Approval Form with required signatures from Academic Advisor, Academic Services (if required) and UCF Registrar's Office.
4. A completed Consortium Agreement Form signed by the transient school's Financial Aid Office.

Transient enrolled students must make arrangements to pay tuition and fees at the visited school since there is no system for deferral of those tuition and fees. In addition, it is the student's responsibility to insure that the visited school promptly provides the UCF Registrar's Office with academic transcripts at the conclusion of the term, confirming that the attempted hours are completed. This will help avoid Satisfactory Academic Progress problems. Students who expect to receive funds under any of the federal loan programs must enroll for a minimum of six undergraduate hours at UCF in UCF classes to meet eligibility requirements.

Students may not receive financial aid from two institutions at the same time. Students must decide which of the two institutions is the

primary school at which they are degree seeking and apply for aid there. Any inaccuracy will result in a mandatory repayment to one of the two schools for the overpayment.

Over Awards

An over award occurs when a student's award package has exceeded either the unmet need or Cost of Attendance, depending on the type of aid that has been awarded. To prevent over awards, it is extremely important to notify the Office of Student Financial Assistance of any potential awards not already listed on the student's financial aid award summary on myUCF, Student Center. In the event of an over award, a student's award package is reduced to eliminate the over award, which may result in a repayment of the over award.

Refunds and Return of Title IV Funds

Students should be aware that if they withdraw from the university after having received financial assistance, they will be required to repay a portion of that assistance. Students who received Federal Direct Stafford Loans should also know that the Registrar's Office is required to notify the National Student Loan Data System (NSLDS) of student withdrawals.

Professional Judgment

The formula used to determine eligibility for federal student aid is basically the same for all applicants. However, in some cases, special circumstances may be taken into consideration. Students with extenuating circumstances should schedule an appointment to review the situation with a counselor. There must be a very good reason to make any adjustments and proof must be provided to support any adjustments.

Repeated Coursework

The US Department of Education has passed a regulation which impacts students who repeat courses. Students may only receive federal financial aid funding for one repetition of a previously passed course. As a result, any repeated course/s that the student enrolls in (current or future terms) cannot be used in the calculation of his/her enrollment level for financial aid purposes for that particular term, regardless of whether or not financial aid was received for the course/s. The repeated course(s), including the original attempt, must be counted towards maximum time frame and hours completion ratio requirements for Satisfactory Academic Progress purposes, which can impact a student's financial aid eligibility. For detailed information, you may visit http://finaid.ucf.edu/receiving/repeat_coursework.html.



STUDENT TUITION AND FEES

Student Account Services

Sr. Associate Controller: Dan Mayo
MH 109; 407-823-2433,
Email: stuaccts@ucf.edu
<http://www.studentaccounts.ucf.edu/>

General Information

Student Account Services is here to serve the students who attend the University of Central Florida by maintaining accurate financial records and communicating with students concerning their accounts.

The Student Account Services office is responsible for:

- Tuition and Fee Assessment/Refunds
- Processing Payments
- Overdue payment and institutional loans collection (Loans and Collections)

Schedule of Fees

Note: 2013-2014 tuition and fees had not been established at the time of this publication. Rates for the 2013-2014 academic year will be available in July 2013 at <http://tuitionfees.smca.ucf.edu/>. Fees are subject to change without notice.

Tuition and Fees: Tuition and fees are established by the State Legislature and the University Board of Trustees and are subject to change without notice. Fees are affected by residency status. Tuition and fees are charged per semester or term for main campus, regional campus, and continuing education courses. Tuition is assessed on a per credit hour basis. Students classified as zero-hour registration students are assessed one credit hour at the Florida Resident Tuition rate at the course level for which the student is registered.

Tuition Fee Invoice: A student's Fee Invoice will show all tuition and fee charges, payments and deferrals associated with the term, and courses in which the student is currently enrolled. The Fee Invoice will not show fees such as housing, library, parking, etc. Tuition Fee invoices are available 24/7 on the web <https://my.ucf.edu/>, and from the student's college advising offices. Students should review their current Tuition Fee Invoice prior to making a payment. Tuition Fee invoices are not mailed. The Tuition Fee Invoice should be reviewed once after initial registration of courses and also after making any changes to the initial registration to ensure that the fees are adjusted accordingly.

Fee Payment Deadlines: All University tuition and fees must be paid by the published dates. Tuition and fees not paid or deferred by the payment deadline for each term will result in late fees and may result in the cancellation of all classes. Refer to the Academic Calendar each term for the fee payment deadlines.

Limited Non-Degree Enrollment Classes: Payment guidelines for Limited Non-Degree enrollment classes can be found on the "Registration Form for Non-Admitted Students." It is the student's responsibility to officially drop from courses to avoid additional financial obligations.

Student Financial Responsibility Statement

Registration at UCF requires students to acknowledge the following financial responsibility statement:

"I understand that I will be responsible for tuition and fees for all courses that remain on my record after the drop deadline and that the courses will be graded.

I accept responsibility for payment of my term tuition and fees by the published deadline. I understand that if I do not pay my tuition and fees or do not pay these fees by the deadline, I will be charged a \$100 Late Payment Fee, my records will be placed on hold, my account may be referred to a collection agency, and I may incur other financial responsibilities.

The deadline to DROP classes without incurring a W Grade and Fee Liability will be one day earlier than the deadline to ADD classes. Please consult the Academic Calendar or the Enrollment Bulletin Board in Student Self Service for these deadlines."

Note: The Fall 2013 Financial Responsibility Statement had not been established at the time of this publication.

Payment Procedures

Payment must be received or postmarked no later than the fee payment deadlines as specified on the Academic Calendar. The primary form of payment of most account holders is on-line through the E-pay system via the myUCF portal. Students can pay using a check or a credit card in this system. **Payments cannot be transacted by telephone.**

Acceptable forms of payment:

Personal Checks

Credit Cards (Acceptable credit card types are American Express, MasterCard, and Discover). Please review the Student Account Services website at <http://www.studentaccounts.ucf.edu/> for current payment information.

E-Pay - <https://my.ucf.edu> – E-Check (Personal Check) or Credit Card

- A nonrefundable convenience fee will apply per credit card transaction.
- Payments made at any time on the published fee payment deadline will be considered on time.

E-Pay process:

- Sign in the myUCF portal as usual then click on the link for Student Self Service; this will open your Student Center page. Use the right scroll bar to scroll to the Finances section. You will find the **My Account** section.
- Click on the link for the Tuition Fee Invoice. Select the current term (i.e. Sum 2013, Fall 2013, or Spring 2014). The Fee Invoice will provide you your schedule, the charges, the Amount Due and deferrals.
- Annotate the Amount Due as you will need that amount once you are on the E-Pay system.
- Scroll down to the bottom of the page and click on the Due Charges/E-Pay link to make a payment.

Mailed payments: (Please do not send cash)

- Include student's name and PID# on personal checks or money orders (make check payable to University of Central Florida)
- Address payments to:
University of Central Florida
Student Account Services
Attn: Payment Processing
P.O. Box 160115
Orlando, FL 32816-0115

Payment Drop – 24-Hour Depository at main campus (located on Reflecting Pond side entrance of Millican Hall) (no cash)

Other Forms of Payment

Tuition and fees may be partially or completely paid by financial aid, Florida Prepaid, tuition waivers, or departmental grants. The student is responsible to pay any amount that is not covered by these types of payments by due date on his or her fee invoice.

Financial Aid – see Student Financial Assistance for rules and procedures. All fees not deferred by financial aid are due by the due date on his or her fee invoice.

For information regarding Florida Prepaid College Plan or Tuition Waivers, please refer to Student Account Services website.

Tuition and Fees for Senior Citizens

Persons 60 years of age or older who meet Florida residency requirements may register to audit classes on a space-available basis without payment of tuition and application fees. Registration is on a **space-available basis**; see the appropriate term's Academic Calendar <http://www.registrar.sdes.ucf.edu/calendar/academic/> for registration dates and times. The tuition fee waiver cannot be used for courses that require increased costs (such as thesis, dissertation, and directed individual study). A "Florida Residency" Affidavit is required to establish Florida residency. A completed "Student Health History" form must be filed prior to registration. Inquiries should be directed to the Registrar's Office (MH 161; Telephone: 407-823-3100).

Refund of Fees

A refund of fees will be processed under the conditions noted below. The student must submit a written appeal for a refund or other appeal action to the University within six months of the close of the semester/term to which the refund or other appeal action is applicable. Any debts to the University will be deducted from the refund, up to the full amount.

Student Tuition and Fees

Full Refund Eligibility

The following conditions allow a full refund: 1) A class is dropped by the end of the Drop period; 2) Cancellation of a course by the University; or 3) The student is denied admission for any reason to a course offered by the University.

Partial Refund (25%)

25% of tuition and fees is refundable when the student withdraws **completely** from the University prior to the end of the fourth week of classes during a 16 or 17 week semester, or at the end of the first quarter of classes during a summer session.

Exceptional Circumstances

Refunds for exceptional circumstances may be available for certain Administrative Record Changes of courses. Up to 100% of tuition and registration fees are refundable if due to circumstances determined by the University to be exceptional, including, but not limited to, sickness, death, involuntary call to military service, or University administrative error. If approved, a Late Withdrawal does not result in a refund of tuition and fees. Please visit the Academic Services website for more information.

Direct Deposit

Students are strongly encouraged to establish direct deposit with the University. Direct Deposit prevents delays due to lost checks or change of address. All refunds from students' accounts can be direct deposited into the student's checking account to any U.S.A. bank in the federal system. Funds are usually available within 24-48 hours after disbursement, and enrollment only takes a few minutes. To enroll, sign in at <https://my.ucf.edu> and click on Student Self Service. Go to the Student Account Services link, then click on Direct Deposit and follow the instructions.

Past Due Accounts

All financial obligations to the University must be met. **Failure to meet obligations can result in the withholding and denial of registration, diploma, transcripts and readmission to the University.** The services of a professional collection agency and recourse to the courts may also be invoked if deemed necessary. All costs of collection, including attorney's fees, are the responsibility of the debtor.

Do not assume your registration will be canceled if you fail to pay fees or attend classes. Tuition deferrals, for example, will prevent class cancellation for non-payment.

Late Fees

Late Payment Fees apply to students who do not pay their fees (or obtain a full fee deferment) by the payment deadline. The Late Payment Fee is \$100 per term minimum.

Late Registration Fees are charged to students who enroll following the close of the Add period for the term, who re-register, or who enroll for the first time that term during Late Registration and Drop/Swap and Add period. The Late Registration Fee is \$100.00 per term minimum.

Late Payment DNP (Drop for Non-Payment) Fees are charged to students who are dropped for non-payment of courses per term minimum.*

*Summer term is divided into sessions, and the late fees are charged per session.

Florida Residency for Tuition Purposes

At University of Central Florida, three offices are responsible for the review of residency for tuition purposes under Florida Statute 1009.21, F.S., State Board of Education, Rules 6A-10.044 & 6A-20.003, and Board of Governors Regulation 7.005. The offices of Undergraduate Admissions and Graduate Studies determine residency for all first-time-on-campus students; thereafter, the Registrar's Office will review student requests for changes in residency for Undergraduate Students. The College of Graduate Studies will review student requests for changes in residency for graduate students. A first-time-on-campus student will be classified according to the information he or she includes on the application for admission, providing that no other information is available that calls into question the information contained on the application.

To qualify as a Florida resident for tuition purposes in accordance with State regulations, the student must be a United States citizen, resident alien, parolee, Cuban national, Vietnamese refugee, or other refugee or asylee so designated by the United States Citizenship and Immigration Service,

And

Have established a legal residence in this state and maintained that legal residence for 12 months immediately prior to the term in which they are seeking Florida resident classification. The student's residence in Florida **must** be as a bona fide domicile rather than for the purpose of maintaining a mere temporary residence or abode incidental to enrollment in an institution of higher education, and should be demonstrated as indicated below (for dependent students, as defined by Internal Revenue Service regulations, a parent or guardian must qualify).

And

Submit the following documentation (or in the case of a dependent student, the parent must submit documentation) prior to the first day of classes for the term for which resident status is sought:

1. Documentation establishing legal residence in Florida (this document must be dated at least one year prior to the first day of classes of the term for which resident status is sought). The following documents will be considered in determining legal residence:
 - a. Declaration of Domicile (**Note:** the Declaration of Domicile will support a claim of residency for tuition purposes only after a period of 12 months from the date that the Clerk of the Court notes that the declaration was sworn and subscribed to them.)
 - b. Proof of purchase of a home in Florida in which the student resides;
 - c. Proof that the student has maintained residence in the state for the preceding year (e.g., leases, employment records).
2. Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education. The following documents will be considered evidence of domicile even though no one of these criteria, if taken alone, will be considered as conclusive evidence of domicile:
 - a. Declaration of Domicile;
 - b. Florida voter registration;
 - c. Florida vehicle registration;
 - d. Florida driver license or Florida identification;
 - e. Proof of real property ownership in Florida (e.g., deed, tax receipts) where you reside;
 - f. Verification of permanent employment, full-time (30 hours/week x 52 weeks) in Florida by the employer, employment records, or other employment-related documentation (e.g., W-2 paycheck receipts), other than for employment normally provided on a temporary basis to students or other temporary employment. The document must show 12 consecutive months of Florida employment prior to the first day of classes of the term for which the student requests Florida residency;
 - g. Proof of membership in or affiliation with community or state organizations or significant connections to the State;
 - h. Proof of continuous presence in Florida during periods when not enrolled as a student;
 - i. Proof of former domicile in Florida and maintenance of significant connections while absent;
 - j. Proof of reliance upon Florida sources of support;
 - k. Proof of domicile in Florida of family;
 - l. Proof of admission to a licensed practicing profession in Florida;
 - m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual;
 - n. Proof of graduation from a high school located in Florida.
3. No contrary evidence establishing residence elsewhere;
4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)

Or

Be married to a person who has been a legal resident of the State of Florida for the required 12-month period and relinquish legal ties to any other state,

- Or
- Be a member of the Armed Forces on active duty stationed in Florida, or a spouse or dependent, or active drilling members of the Florida National Guard,
- Or
- Be a member of the full-time instructional or administrative staff of a state public school, Florida College System institution, or university in Florida, a spouse or dependent,
- Or
- Military Personnel (and spouse/dependent children) not stationed in Florida whose home of record or state of legal residence certificate is Florida,
- Or
- Be a dependent and have lived five years with an adult relative, who has established legal residence in Florida,
- Or
- Be a person who was enrolled as a Florida resident for tuition purposes at a Florida institution of higher education, but who abandoned Florida residency and then re-enrolled in Florida with 12 months of the abandonment,
- Or
- Be a full-time Latin American or Caribbean student who receives scholarships from the federal or state government,
- Or
- Be a United States citizen living on the Isthmus of Panama who has completed 12 consecutive months of college work at the Florida State University Panama Canal Branch, or a spouse or dependent,
- Or
- Be a graduate student of the Southern Regional Education Board's Academic Common Market attending Florida's state universities,
- Or
- Be a full-time employee of a state agency or political subdivision of the state when the student fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training,
- Or
- Be a U.S. Citizen who is a McKnight Doctoral Fellowship recipient,
- Or
- Be a qualified beneficiary under the Florida Pre-paid Post-secondary Expense Program per s.240.551(7)(a),
- Or
- Be an active duty member of the Canadian military residing or stationed in this state under the North American Air Defense (NORAD) agreement, or a spouse or dependent,

And

Submit a statement as to the length of residence in Florida and their residency qualifications under the above criteria. Students requesting Florida residency for tuition purposes shall apply to the appropriate admissions office if they have not yet enrolled, or to the Registrar's Office if they already are enrolled.



Residency Reclassification

The offices of Undergraduate Admissions and the College of Graduate Studies determine first term at UCF residency for tuition purposes for all newly admitted students. Thereafter, the Registrar's Office will review student requests for changes in residency for Undergraduate Students. The College of Graduate Studies will review student requests for changes in residency for graduate students. The Registrar's Office cannot review student requests for residency reclassification to be effective with the student's first term of enrollment, only subsequent terms.

To request a residency review, the student must submit a completed "Residency Reclassification Application and Affidavit" and supporting documents to the Registrar's Office (MH 161) or Graduate Studies (MH 230). This form is available either at the Registrar's Office or online at <http://registrar.ucf.edu>. This form must be accompanied by copies of all documents that support the student's Florida residency claim. Residency reclassification requests are subject to Florida Statute 1009.21, F.S., State Board of Education, Rules 6A-10.044 & 6A-20.003, and Board of Governors regulation 7.005. In addition, University policy requires students requesting residency reclassification to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar's Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

When building a case for Florida residency for tuition purposes, the student must submit documents from a variety of categories. Students may consult the Registrar's Office before submitting the reclassification request and supporting documents. The submission of documents in itself does not qualify the student for Florida residency for tuition purposes. The Registrar's Office will evaluate the submitted documents and available information and will render an eligibility determination. UCF is authorized to make discretionary judgments as to residency within the bounds of the law and in reaching this professional judgment will evaluate all documents submitted and information available. No single document shall be conclusive.

Students seeking residency reclassification should understand that living in or attending college in Florida does not automatically establish residency in Florida for tuition purposes. The student who comes to Florida to enroll in a Florida post-secondary educational institution as an out-of-state resident and continuously enrolls in a Florida institution normally will not meet the Florida residency requirement for in-state tuition regardless of the length of time enrolled. Living or attending school in Florida merely evidences physical presence. The student must provide documentation verifying that he or she has formed significant legal ties to the State of Florida. This documentation must establish that the Florida residence constitutes a bona fide domicile rather than serving the purpose of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education. Evidence establishing legal ties to states other than Florida may disqualify the student from Florida residency for tuition purposes. All determinative documents must be dated at least 12 months before the first day of class for the term in which residency is sought.

Students entering the second term of enrollment at UCF or later who believe that they qualify for Florida residency must submit the "Residency Reclassification Application and Affidavit" and all documents to the Registrar's Office (MH 161) or Graduate Studies (MH 230) prior to the close of "Late Registration and Add period" for the term in which Florida residency is requested. Approved residency reclassification will not be applied retroactively to previous terms.

The Registrar's Office or Graduate Studies may require additional documentation beyond that initially submitted by the student or the claimant before it can render a reclassification eligibility determination and it will not complete its review of the residency reclassification application until both the student and the claimant have submitted all requested documents.

All readmitted students are required to submit copies of two documents (more may be requested) such as, driver's license, vehicle registration, and/or voter registration, to verify that they qualify and to update residency information on file. Requests for proof of residency for UCF students looking to transfer or become transient students at another institution must be submitted in person or in writing.

UCF is authorized to make discretionary judgments as to residency within the bounds of the law and in reaching this professional judgment will evaluate all documents submitted and information available. Students who feel an erroneous decision was made regarding their residency reclassification may request an appeal in writing to the UCF Residency Appeals Committee through the Registrar's Office.

DIVISION OF STUDENT DEVELOPMENT AND ENROLLMENT SERVICES



Division of Student Development and Enrollment Services (SDES)

Vice President for Student Development and Enrollment Services:

Maribeth Ehasz

MH 282; 407-823-4372

<http://www.sdes.ucf.edu>

Introduction

The Division of Student Development and Enrollment Services (SDES) engages students in the total collegiate experience; from matriculation, to successful progression, graduation, and employment in a global workforce. This is accomplished by providing opportunities for enriched student development, leadership growth, experience based learning, values education and civic engagement which lead to overall student success.

SDES affirms that the student who comes to UCF should not be the same student who graduates from UCF. We embrace the tenets of the UCF Creed – Integrity, Scholarship, Community, Creativity, and Excellence as a framework for developing student learning outcomes to facilitate transformational learning.

Goals of the division are to:

- Promote student progression to graduation, graduate and professional school, and productive employment.
- Create opportunities for students to develop and strengthen leadership skills.
- Assist students to further develop purpose, integrity, ethical practices, and civic responsibility.
- Embrace diversity and inclusiveness.
- Foster student engagement in the Central Florida city-state and the global community.

The division is comprised of the following areas:

Academic Services for Student-Athletes (ASSA)

Director: Kimya Massey

WDSC I; 407-823-5896

Email: assa@ucf.edu

<http://assa.sdes.ucf.edu>

The Office of Academic Services for Student-Athletes, which is housed within the Division of Student Development and Enrollment Services works in collaboration with the Athletics Department to assist student-athletes in their efforts to establish and achieve their personal, professional and academic goals. In addition, ensure that they understand what is needed to maintain their NCAA Division I academic-athletic

eligibility, as well as adhere to the American Athletic Conference and UCF rules, regulations and procedures. Lastly, ASSA assists student-athletes as it relates to the career development process.

ASSA services include:

- Providing transition services that promote the academic success of student-athletes;
- Guiding student-athletes in their selection of meaningful and appropriate major and minor fields of study;
- Assisting student-athletes with course registration, understanding of policies and procedures, and tracking progress towards degree completion;
- Organizing study halls, academic mentoring, and tutorial services;
- Directing students to utilize the full spectrum of other University services;
- Preparing student-athletes in their career planning and development;
- Assisting learning-disabled student-athletes with assessments and accommodations; and,
- Providing student-athletes with computer access and services.

Activity and Service Fee Business Office

Director: TBA

SU 215; 407-823-5548

Email: asf@ucf.edu

<http://asf.sdes.ucf.edu>

The Activity & Service Fee Business Office services the accounting, personnel, and purchasing needs of Activity & Service Fee funded Departments and Agencies and provides a variety of services to UCF students. The Activity & Service Fee Business Office is also a support office for registered student organizations and UCF students that are allocated Activity & Service Fee funds by the Student Government Association. We provide an online financial training workshop for student organization officers and their faculty/staff advisors.

In addition, our office manages the operation of the Student Government Computer Lab located on the second floor of the Student Union and the Student Government Express Print Lab located on the first floor of the Student Union. The Student Government Computer Lab has 42 computer stations available and the Student Government Express Print Lab has 24 computer stations available and provides limited free printing to currently enrolled students. Our office also manages the Student Government Ticket Center which sells a variety of specially-priced tickets to local theme parks, movie theaters and attractions. The Student Government Ticket Center is also an authorized *TicketMaster* Retail Outlet.

Career Services

Executive Director: Lynn Hansen
CSEL; 407-823-2361
Email: career@ucf.edu
<http://career.sdes.ucf.edu>

Career Services offers a comprehensive range of services to help UCF students of any major reach their academic and career goals with a talented staff of career professionals. These comprehensive services are designed to help First Year through Graduate students with all phases of career development to include:

- Major and Career Choices
- Academic and Career Information
- Resumes and Cover Letters
- Interviewing Skills
- Job Search Strategies
- Employment Assistance (Career Fairs, On-Campus Recruiting, and Job Postings)
- Graduate School Information

These programs and services are available through drop-in assistance, scheduled appointments, workshops, and major events.

Counseling & Psychological Services (CAPS)

Interim Director: Karen Hofmann
CAPS; 407-823-2811
Email: councntr@ucf.edu
<http://caps.sdes.ucf.edu/>

Counseling and Psychological Services (CAPS) serves currently enrolled UCF students seeking assistance with developmental and mental-health related concerns by offering a wide variety of services and programs. CAPS is composed of professional staff including psychologists, mental health counselors, social workers, and counselors-in-training who provide a confidential atmosphere and a safe environment in which students can explore and resolve personal concerns and issues. CAPS also provides advanced training and supervision for graduate students in doctoral and masters counseling programs. CAPS is open Monday through Thursday 8-6 and Friday 8-5 during fall and spring semesters and Monday through Friday 8-5 during the summer semesters.

CAPS offers:

- Short-Term Individual Therapy
- Group Therapy and Workshops
- Crisis Intervention and Walk-Ins
- * *Crisis afterhours hotline: 407-823-2811 Press #5*
- Couples Therapy
- Outreach Presentations and Workshops
- Consultation to Faculty and Staff and parents
- Referral Services to community and campus resources

For additional information, visit the CAPS website at <http://caps.sdes.ucf.edu/>.

Creative School for Children

Director: Rhonda Moore
CSC1; 407-823-2726
Email: csc@ucf.edu
<http://csc.sdes.ucf.edu>

The Creative School for Children is an Educational Research Center for Child Development that provides quality early learning experiences for children ages 2-5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC) and is certified Florida Gold Seal. The learning environment in the Creative School classroom is facilitated by highly skilled, degreed teachers who offer a wide variety of experiences in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned field trips and special family programs are part of the yearly schedule. Creative School offers the Florida State Voluntary PreK (VPK) program for age eligible four year old children and now offers an evening program for children ages 2 years to 12 years. Evening care runs concurrently with the UCF and Creative School academic calendar. Experiences in observation and training in the academic areas are available to university students and opportunities for educational research are available to university faculty, undergraduate and graduate students. The school enrolls children of university students, employees of the university, and community members. Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday. Evening program hours are 5:35 p.m. to 9:15 p.m., Monday through Thursday during the fall and spring semesters.

First Year Advising and Exploration (FYAE)

Director: Stephen O'Connell
HPH 116; 407-823-3789
Email: fy@ucf.edu
<http://fyae.sdes.ucf.edu/>

UCF recognizes that starting in a new learning environment can present many challenging life transitions for incoming freshman students. First Year Advising and Exploration has been established to prepare and advise first-time-in-college students not assigned to other first year advising offices. The overriding mission of the office is to assist first-year students by providing numerous academic advising support services and other programs that will lead to their overall satisfaction, success and retention at UCF. Students who have not selected a major (Undeclared students) are provided focused advising support services through the Major Exploration Program to assist them in the major selection process.

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs, and email and phone communication. The office focuses its efforts on providing proactive academic advising support, establishing early and regular communication, and providing outreach advising activities for first-year students residing in both on-and selected off-campus facilities. FYAE also offers academic advising at their satellite office located in Academic Village. FYAE advisors have been designated for first-year students in the EXCEL, Freshman LEARN living learning community, STEP, Pegasus Success, SOAR, CAP and Out of State Student Mentoring (OSSM) living learning community programs. In addition, high school students admitted to UCF as part of the Early Admission or Dual Enrollment programs are advised through First Year Advising and Exploration.

Major Exploration Program (MEP)

HPH 116; 407-823-3789
<http://mep.sdes.ucf.edu>

The Major Exploration Program has been developed to provide structured experiences to assist students are undecided about a major. Students are provided major exploration and career development connections as primary advising initiatives so they can make an informed decision on their future major at UCF. MEP has several components including coordinated academic advising services from a first year advising office, major and career exploration programming activities, and online assessments. The program services are also available to first-year students who are unsure about their major choice and to those considering a change of major.

First Year Experience (FYE)

Director: Keira Kant
PH 216; 407-823-5105
Email: fye@ucf.edu
<http://fye.sdes.ucf.edu>

The First Year Experience Office combines orientation with extended first year transition programs including UCF's official Welcome Week: Pegasus Palooza, LINK and the Strategies for Success course. It assists entering freshmen and transfer students with their transition to the University of Central Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation session prior to registering for classes. Students register for the program by visiting the First Year Experience website at <http://fye.sdes.ucf.edu>. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide co-curricular educational programming and activities. Students also have the opportunity to serve as Orientation Team (O-Team) leaders and peer mentors for the Strategies for Success course. Finally, FYE oversees the Pegasus Parent program which aims to provide parents and family members of UCF students with important information about UCF and its resources. Family Weekend is a part of the Pegasus Parent program and occurs every fall semester during a home football game weekend.

Fraternity and Sorority Life/Housing and Development

Director: Clay Coleman
4100 Greek Park Drive (Fraternity and Sorority Life Building);
407-823-2072
<http://fsl.sdes.ucf.edu>

The Fraternity and Sorority Life office is committed to providing the best possible fraternity and sorority experience for students and the university community. This office fosters and promotes the develop-



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ment of active advising, leadership development, and programmatic support to engage members in high-quality undergraduate fraternal experiences that reinforce the organization's founding principles: scholarship, community service, campus involvement, and sisterhood/brotherhood. It encompasses small group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council (PAN), Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

Fraternity and Sorority Life can offer students a "home away from home," a scholastic support system, networking opportunities, an organization for community service, transferable skills for management and leadership development, and a foundation for long-lasting friendships. You can follow what's happening within the Greek community via our Facebook page or on Twitter. Currently, we have 47 fraternities and sororities on UCF's campus with more than 3,500 active Greek students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background.

Students are encouraged to take a closer look at UCF's Greek community through participation in fraternity or sorority recruitment. The Interfraternity Council and Panhellenic Council sponsor "Recruitment" or "Rush," which actually consists of visiting the various chapters to meet current members and to ask questions about their organizations. Diversified Greek Council (DGC) sponsors "Meet the Greeks" and the National Pan-Hellenic Council (NPHC) sponsors a Greek Expo, which allow students to become familiar with those groups and their governing bodies. Whether an individual chooses to join a fraternity or sorority, Recruitment, Greek Expo, and Meet the Greeks are excellent ways to meet people and become acquainted with involvement opportunities at the University of Central Florida.

Health Services (HS)

Director: Michael Deichen, M.D.
HC 309; 407-823-2701
<http://hs.sdes.ucf.edu>

UCF Health Services is accredited by The Accreditation Association for Ambulatory Health Care. The mission of the University of Central Florida Health Services is to provide excellent healthcare that delivers value and promotes lifelong well-being to the UCF community.

The UCF Health Center is staffed by Board-certified physicians, advanced registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, certified medical assistants and a full complement of other medical support personnel who provide laboratory and radiology services. The state-of-the-art 50,000 square-foot Health Services building is centrally located on the UCF Orlando campus.

The UCF HS Insurance office staff will assist students with filing claims with their medical insurance company. Currently, UCF HS physicians are contract in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, Aetna, AvMed, and Cigna health insurance plans. This entitles faculty, staff, and students to use UCF HS providers for their primary care needs and realize cost savings through covered services. We will bill any insurance company as a courtesy to our patients as they may be eligible for out-of-network benefits.

UCF endorses several optional health and accident insurance plans for students. Please visit our website for additional information regarding these plans. The optional plans are separate from the health fee students are required to pay each semester. However, when purchased, the insurance may cover most of the Health Services charges and also provides benefits for services that are beyond the scope of the campus Health Services program, such as hospital referrals and specialty care (subject to co-pays and deductibles). Charges incurred outside the Health Center are the responsibility of the student, including transport by ambulance.

The Dental Center is the newest addition to the broad range of health services available to students and is staffed with a dentist, dental hygienists, dental assistants, financial counselor and clinic coordinator. This state-of-the-art facility is located in the on-campus Health Center and provides preventive, restorative and cosmetic dental services by appointment at 407-823-1635. The Dental Center accepts Dental Insurance PPO plans and the financial counselor can assist with payment for various treatment plan options.

The UCF Pharmacies are state-of-the-art facilities, staffed with pharmacists passionate about patient education and providing excellent customer service. Patients are individually counseled and provided

with written drug information. Each prescription is monitored for duplicate therapy, drug allergies and interactions. The Pharmacies accept over 250 prescription insurance plans and offer competitive prices for those students who do not have insurance coverage. The UCF Pharmacy is located on the first floor of the Health Center; additionally, Knight Aide, our satellite pharmacy which features an expanded convenience store, is located in Knight's Plaza - near the UCF Arena and Towers residence halls.

When the Health Center is closed, students may obtain information and help from the Health Services telephone message at 407-823-2701 or its website that provides access to FreeMD (the web-based interactive system to help make decisions about health needs). If the situation is urgent, students should call 911 or access one of the hospitals or walk-in clinics identified via <http://hs.sdes.ucf.edu> (charges for services are the student's responsibility).

Housing and Residence Life

Executive Director: Christi Hartzler
HAB 123; 407-823-4663
<http://www.housing.ucf.edu>

The Department of Housing and Residence Life offers regularly enrolled single students paying tuition and fees for a minimum of nine credit hours housing on the Orlando campus and the Rosen College of Hospitality Management campus. Orlando main campus housing is available for freshmen, upperclassmen, transfer, and graduate students. The Rosen College of Hospitality Management campus has housing available for all classes of hospitality students. Married and family student housing is not available.

Students can apply for housing after being admitted to the university. The online application process is available through myUCF. There is not enough on-campus housing for all first-year students who apply. Therefore, those first-year students desiring to live on-campus should apply as soon as possible. Application periods include fall/spring academic-year agreements with a separate application for summer or 11.5 month annual agreements (fall/spring/summer).

Housing choices range from suite style shared bedroom residence halls to single bedrooms in apartments. Most first-year students who apply for academic year agreements will receive assignments in shared bedroom suite style residence halls. Single bedrooms in apartments are available in the Towers at Knights Plaza located on the Orlando main campus or the Rosen College of Hospitality Management Student Apartments.

More information on the different housing options, rates, floor plans, etc. is available online at <http://www.housing.ucf.edu>.

Several different meal plans are available through UCF Dining Services. Information about meal plans is available online at <http://www.ucfdining.com>.

Lesbian Gay Bisexual Transgender Questioning/Queer (LGBTQ) Services

SU 304A; 407-823-1027
<http://www.ucf.edu/lgbtq>

The mission of Lesbian Gay Bisexual Transgender Questioning/Queer (LGBTQ) Services is to connect our diverse student population to opportunities, resources, and each other to achieve the vision of a stronger, healthier, and more equitable world for LGBTQ+ people and their allies. In addition to serving as an entry point to students seeking LGBTQ+ resources and support, the LGBTQ Services office also helps coordinate signature LGBTQ+ cultural programs at UCF such as LGBTQ+ History Month, National Coming Out Day, Transgender Day of Remembrance, Transgender Week of Visibility and the annual Lavender Celebration. LGBTQ Services additionally advises the SGA agency Pride Coalition and supports the LGBTQ+ communal space Pride Commons located in Ferrell Commons.

Multicultural Academic and Support Services (MASS)

Director: Wayne Jackson
HPH 102; 407-823-2716
<http://mass.sdes.ucf.edu>

The Office of Multicultural Academic and Support Services provides comprehensive academic support, cultural enrichment, consultation, and referral services that promote the retention, and graduation of multicultural and First Generation College Students. MASS offers personalized advising and support; monitors academic progress; sponsors a six-week summer program, Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother mentoring program; and designs and coordinates cultural and

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social activities to assist students in realizing their academic, career and personal goals. MASS serves as the focal point of operations in addressing the specific needs, issues and concerns that confront multicultural and First Generation College Students at UCF.

Off-Campus Student Services and Student Neighborhood Relations (OCSS-SNR)

Assistant Vice President, Student Development and Enrollment Services: A.J. Range
Ferrell Commons, Building 7C, Suite 152; 407-823-6505
<http://offcampus.housing.ucf.edu>

Off-Campus Student Services and Student Neighborhood Relations assist students with their search for off-campus housing accommodations. The OCSS-SNR provides resources from the local off-campus apartment communities regarding student housing. This office also offers information and instructions for students wishing to sublease their off campus apartment; "moving off-campus" consultations; information about local services, i.e. transportation, furniture rental information, dry cleaning, shopping, and utilities.

OCSS-SNR further serves UCF students who live off campus with directions and information regarding a variety of on-campus programs and services. OCSS-SNR fosters a supportive and developmental environment for off-campus students by providing advocacy for resolving problems, "on the spot" or through campus referrals, and by exploring other available resources.

Office of Student Involvement (OSI)

Director: Michael Preston
SU 208; 407-823-6471
Email: OSIassist@ucf.edu
<http://www.GetInvolvedUCF.com>

The mission of the Office of Student Involvement (OSI) is to provide quality programs, services, and leadership opportunities that enrich students' academic endeavors and enhance the campus environment. Students and staff collaborate to develop programs and services which encourage student's personal growth, to promote civic responsibility, to embrace differences, and to connect students to the campus and the community.

To fulfill our mission, the Office of Student Involvement staff members oversee the registration and management of more than 450 registered student organizations (RSO's), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Homecoming, Knight Camp, Knightcast, Knight-Thon, Knights of the RoundTable (KoRT), Late Knights, Student Government Association (SGA), Student Outreach Services, and Volunteer UCF (VUCF). OSI wishes to support all members of our UCF community and encourages any person in need of a special accommodation to participate in our programs or services to email us at osiassist@ucf.edu. OSI is funded by the Student Government Association.

Office of Student Rights and Responsibilities (OSRR)

Director: Dana Juntunen
FC 227; 407-823-6960 or 407-823-4638
<http://osrr.sdes.ucf.edu>; <http://concern.sdes.ucf.edu>

By offering a wide range of services designed to assist as well as educate students in resolving issues impeding student success, the Office of Student Rights and Responsibilities (OSRR) includes the Office of Integrity and Ethical Development, the Office of Student Conduct, and Case Management (Students of Concern). OSRR promotes a campus climate of integrity, civility and accountability by providing a wide array of resources, education, and crisis management services for the university community. We purposefully challenge students during their development as productive citizens of the UCF community, to consider ethical practices and the importance of making critical decisions. OSRR also publishes the Golden Rule Student Handbook, which contains the Rules of Conduct and more detailed information on student life. Copies of the Golden Rule can be obtained at OSRR, or can be viewed on the internet at <http://goldenrule.sdes.ucf.edu>. This office also advises the Golden Rule Review Committee which is a standing committee of students charged with making recommendations for updating the Golden Rule Student Handbook.

Office of Integrity and Ethical Development

Director: Jennifer Wright
FC 142; 407-823-3477
<http://ied.sdes.ucf.edu>

The Office of Integrity and Ethical Development specializes in the promotion of individual responsibility and personal development. Programs are designed to develop awareness toward integrity, ethi-

cal decision-making, conflict management and resolution, civility, and professionalism. Services include mediation sessions and training, college life skills coaching sessions, and outreach programs. These services are designed to provide students (undergraduate and graduate) with the college life skills necessary for academic and personal success at UCF.

Office of Student Conduct

Associate Director: Nicholas Oleksy
FC 227; 407-823-4638
<http://osc.sdes.ucf.edu>

The Office of Student Conduct addresses alleged violations of the "Rules of Conduct" contained within the Golden Rule student handbook. Our goal is to educate students, faculty and staff on the issues related to the student conduct, community responsibilities, and behavioral expectations in the Rules of Conduct in the Golden Rule Student Handbook. This office is also responsible for admission clearances, dean's certification, and student eligibility checks. The rules of conduct can be found in the Golden Rule student handbook and copies may be obtained at the Office of Student Conduct, or can be viewed on the internet at <http://goldenrule.sdes.ucf.edu>.

Students are encouraged to apply for the Student Conduct Board, which determines whether a student has violated the Rules of Conduct and recommends sanctions that may be imposed when a rules violation has been committed.

PRIME STEM Student Support Services Program

Director: Rebekah McCloud
HPH 208; 407-823-4165
Email: rebekah.mccloud@ucf.edu
<http://prime.sdes.ucf.edu>

The PRIME STEM Student Support Services Program addresses the academic and social needs of eligible students enrolled at UCF who are first-generation in college, have a documented disability, and/or demonstrate financial need that are pursuing STEM related majors: Science, Technology, Engineering, and Mathematics. All PRIME STEM Project scholars have an opportunity to participate in a student success course, complete mandatory academic advising, be exposed to faculty, staff, and community partners who are employed in STEM occupations, and a host of other services including: tutoring, financial literacy, academic success workshops, professional and cultural events, personal and career counseling, mentoring, graduate school services and opportunities for undergraduate research, service learning, and conference attendance.

Recreation and Wellness Center (RWC)

Director: James Wilkening
RWC; 407-823-2408
<http://rec.ucf.edu>

The Recreation and Wellness Center (RWC) supports and strengthens the mission of the University of Central Florida. The mission of the department is to foster healthy lifestyle choices and wellness through efficient services, comprehensive programs and high-quality facilities. The Recreation and Wellness Center is designed to enrich campus life and advance the university's educational mission. Benefits of participation include the application of leadership, decision-making, problem solving, conflict management, communication and social skills. We strive to provide the safest, cleanest, highest quality, most dependable and enjoyable services. The RWC aspires to create an environment in which we celebrate the differences we share across the spectrum of human diversity.

The UCF Recreation and Wellness Center strives to both set and stay ahead of the national standards for university recreational programs and facilities by offering unique and innovative student development and leadership opportunities, while seeking to be inclusive and adaptable to the needs of all UCF students.

RWC is comprised of six different programs: Athletic Training, Aquatics, Fitness, Intramural Sports, Outdoor Adventure and Sport Clubs. Seven outdoor facilities, one main building and the new RWC @ Knights Plaza satellite facility make up the RWC. The Recreation and Wellness Center facilities and programs offers are open to students of any ability with a valid UCF ID. Memberships are available to non-students. The RWC is funded by the Student Government Association (SGA).

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Registrar's Office

University Registrar: Brian C. Boyd
MH 161; 407-823-3100, Registration HelpLine: 407-823-3533
Email: registrar@ucf.edu
<http://registrar.sdes.ucf.edu>

The Registrar's Office, with a commitment to quality service and leading edge technology, provides timely and accurate enrollment information and access for students, colleges and departments, effectively meets student administrative needs, ensures complete records management from registration through graduation and archived data stores. The office maintains the integrity of student permanent academic records and coordinates and enforces University policies and procedures campus-wide through cooperation, communication, and leadership. In addition, the Registrar's Office is responsible for management and publication of course offerings, *Undergraduate Advising Guide*, the online *Undergraduate Catalog*, online *Web Enrollment Guide*, the efficient utilization of classroom resources, readmission, transient student admission, residency reclassifications, student veteran services, and Commencements.

Sophomore and Second Year Center (SSYC)

Director: Robert Snow
HPH 215; 407-823-3375
Email: sophomore@ucf.edu
<http://ssyc.sdes.ucf.edu>

The Sophomore and Second Year Center (SSYC) has a mission to assist and retain sophomore and second year students at the University of Central Florida. This mission is accomplished by pro-

viding academic advising and support services to targeted student populations, developing and conducting programs that guide students toward declaration of a major (degree program), connecting students to the appropriate campus resources and services, providing enhanced information and advising resources through technology (Video Chat Advising), and assisting students with their progression towards graduation from UCF. SSYC provides on-going communication throughout the year with these students to keep them aware of various major exploration outreach events, and to help sophomore and second year freshmen students stay connected and engaged with the UCF campus community. One of the communication resources is the "Sophomore Voice" newsletter that is produced and disseminated to students on a bi-monthly basis.

The SSYC office has primary responsibility for connecting undeclared (no major) and undecided sophomores and second year freshmen students to various campus resources, academic advising for major & career exploration, academic support services, and transition assistance to the appropriate college advising office or department. SSYC also provides advising support to accelerated FTIC's (First Time In College students) entering UCF with 30 or more college credits earned from AP, IB, CLEP, Cambridge AICE, and/or dual enrollment courses; and sophomores and second year freshmen who are changing their majors or need assistance in transitioning to the appropriate college advising support office. SSYC collaborates with the College advising support units, and other campus student support offices, in providing information sessions and advising support as part of the "Sophomore Connections" programming conducted each fall semester.



Student Academic Resource Center (SARC)

Director: Rebecca Piety
HPH 113; 407-823-5130
Email: sarc@ucf.edu
<http://sarc.sdes.ucf.edu>

The Student Academic Resource Center provides high-quality programs and services that enable UCF students to achieve their academic goals. Programs include: Supplemental Instruction, peer tutoring, learning consultations, and academic success workshops.

The Supplemental Instruction (SI) program focuses on providing assistance to students in historically difficult courses such as anatomy, biology, chemistry, microbiology, engineering, computer science, and physics. These peer-led study sessions give students in these courses an opportunity to meet outside of class to compare notes, discuss important concepts, and develop strategies on how to learn the subject matter.

Free peer tutoring is also available for many UCF subject areas, such as accounting, physics, engineering, statistics, and biology, to name a few. In total, SARC provides group tutoring for more than 30 different courses.

Learning skills specialists are also available for students who need study skills advice or those who wish to enhance their educational experience.

Each semester, SARC offers a series of academic success workshops designed to address common student issues. Among these are test-taking strategies, time management, goal setting and classroom etiquette. SARC also offers students study skills assessments and online resources to help them become successful at the college level.

Student Disability Services (SDS)

Director: TBA
FC 185; 407-823-2371
<http://sds.sdes.ucf.edu>

The Office of Student Disability Services provides information and individualized accommodations consistent with the student's documented disability. Such accommodations may include, but are not limited to, assistance with classroom accommodations (including examination accommodations), and information and referral to campus and community services for students with disabilities.

To be eligible for disability-related accommodations, students must have a documented disability as defined by applicable federal and state laws. Accommodations are available to students whose disabilities include, but are not limited to, attention-deficit hyperactivity disorder, deaf and hard-of-hearing, physical disability and/or health-related impairment, psychological and/or psychiatric disability, specific learning disability (such as dyslexia), speech impairment, visual impairment, or other disabilities requiring administrative or academic accommodations. Students seeking accommodations are required to provide recent documentation from an appropriate health care provider or professional.

If a student needs special admission consideration based on a disability, the student should answer this question on the Application for Admission form and send the requested appropriate documentation to the Undergraduate Admissions Office.

After admission to the university, students who have a disability and may require academic accommodations must contact Student Disability Services. Students submit appropriate disability documentation, along with a Request Documentation Review form, to SDS. SDS staff will contact the student either to schedule an orientation with the office or request further documentation. Students must be registered with SDS to be eligible to receive academic and co-curricular accommodations. All information is confidential and will be used only to assist the student. A Text Telephone (TTY)/Telecommunication Device for the Deaf (TDD) is available for deaf/hard-of-hearing or speech-impaired persons with TTYs/TDDs to contact Student Disability Services (TTY/TDD calls only phone 407-823-2116).

Student Government Association (SGA)

Advisors: Michael Preston and Matthew Betz
SU 214; 407-823-2191
<http://www.ucfsga.com>

The Student Government Association's purpose is to represent student views on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, the Student

Government Association also provides numerous services that affect student life. These services include; free printing in the SGA Computer and Express Printing labs, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center and Sport Club Council, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Pride Coalition, Knight-Thon, Knights of the RoundTable, Knightcast, and much more. Money allocated by the Student Government Association for these services comes from Activity and Service Fees that students pay during registration. Additionally, student organizations may receive funding for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students' rights at the local, state, and national levels.

Student Government Association's structure is modeled closely after the United States federal government system in that it contains three branches: executive, legislative, and judicial. The executive branch, comprised of the Student Body President, Vice President, and cabinet, oversees the daily administrative operation of SGA. The legislative branch funds student organizations and also passes bills and resolutions benefiting the student body. The judicial branch oversees hearings concerning constitutional and legislative issues.

All students are encouraged to take an active role in the Student Government Association. For information about how to become involved with SGA or how your student organization can receive funding, contact the Student Government Association office.

Student Leadership Development (SLD)

Director: Stacey Malaret
SU 207; 407-823-2223
<http://sld.sdes.ucf.edu>

The mission for Student Leadership Development (SLD) is to establish an environment that will provide comprehensive leadership education, development, and civic engagement opportunities for the UCF community. Through collaboration and partnerships, SLD will incorporate the UCF CREED and the Social Change Model of Leadership to create professional, academic and experiential opportunities that challenge, empower, and educate students to become social change agents in a global society.

The primary vision for the area is the development of an intentional and comprehensive program that targets specific groups, as well as provides campus-wide opportunities for students regardless of their class standing and/or level of involvement experience. Leadership programs will vary in duration from a one-day workshop to an extended program that may last several weeks to two years. The focus is to provide a variety of programmatic options that recognize students have different needs, time constraints, and levels of interest.

The LEAD Scholars Program, designed for the first two years at UCF, provides academic, service and experiential opportunities for students to combine in and out of class challenges and learn to understand the inter-relationship of all aspects of a college career. The application process for this program is open to all first time in college students at the beginning of their career and has resulted in high persistence rates of its participants.

Lead Out Loud is an experiential program that focuses on the leadership development of multicultural students at the University of Central Florida. This program promises to enhance leadership skills, strengthen life skills and encourage positional leadership in this population of students at UCF. These are essential learning outcomes for students who will not only be retained by the university, but will be able to serve as effective leaders on campus and in the community.

Additional programs are developed throughout the year to provide leadership enhancement and empowerment opportunities for UCF students. Through programming, networking, mentoring, personal development or experiential training, UCF students learn the skills needed to hold various leadership positions on campus and in the work arena.

Student Legal Services

Director and Associate General Counsel: Patricia Dullaghan
FC 142; 407-823-2538
<http://sls.sdes.ucf.edu>

Student Legal Services provides students with advice and consultation, including court representation, in selected areas of law such as landlord/tenant disputes, consumer issues, wills, uncontested divorces, name changes, Chapter 7 Bankruptcies, traffic tickets, criminal cases including misdemeanors and felonies of third degree,

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and sealing and expungement of criminal records. Services are provided free of charge to students who are currently enrolled at UCF and paying activity and service fees; including those attending the regional campuses, Rosen College, and the College of Medicine. Students in need of legal services should contact the Student Legal Services office to schedule an appointment.

Student Outreach Services (SOS) at Rosen College of Hospitality Management

SOS Student Staff: sosrosen@ucf.edu
9907 Universal Blvd., Suite 202-B, Orlando, FL 32819;
407-903-8238

Student Outreach Services (SOS), as a part of the Office of Student Involvement, creates involvement opportunities for students at the Rosen College of Hospitality Management. These opportunities include social and educational programming driven by students. Involvement in Registered Student Organizations (RSOs) is also an option for Rosen students.

Student Union

Director: TBA
SU 312; 407-823-2117
<http://www.ucfsu.com>

The Student Union is the Heart of Campus and provides the campus community with a variety of meeting rooms, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey's Coffee, Greens Salad Bar, Balagan Kosher Café, Smoothie King, Subway, Sbarro, Pita Spot, Wackadoo's Grub and Brew, Qdoba, BK Whopper Bar, Asian Chao, Huey Magoo's, Corner Café and Topper's Creamery. Retail stores include Knightstop Convenience Store and College Optical. Other services located in the Union include the SGA Ticket Office, SGA Computer and Express Print Labs, Kaplan Test Services, ATMs from SunTrust, Bank of America, Chase Bank, and the UCF Federal Credit Union as well as a self-service postal kiosk. The Student Union also operates the Knights Helping Knights Food Pantry, All Knight Study at Ferrell Commons and the All Knight Study Lounge located at the UCF Arena. All Knight Study is generally open 24 hours, 7 days a week, and the Union is open 24 hours, 5 days a week, to provide additional study options. For information, call the Information Desk at 407-823-0001. The Student Union is funded by the Student Government Association.

Transfer and Transition Services

Director: Charlene A. Stinard
HPH 221; 407-823-2231
<http://transfer.sdes.ucf.edu>

Transfer and Transition Services helps transfer students make a seamless transition for a more successful experience at the University of Central Florida. The office provides the following resources and services:

- General advising and referral for transfer students before and after they enroll at UCF;
- Referral to DirectConnect advisors at partnering colleges: Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College;
- DirectConnect advisor and support at Valencia College East Campus;
- Academic exploration and advising for transfer students who are undeclared majors, undecided, or changing majors;
- Current information about university programs and policies including entrance and exit requirements;
- Advocacy and assistance in resolving transfer issues;
- Transition advising services for currently enrolled juniors and seniors who are undeclared or changing majors;
- Peer Mentors provide transfer advising services and connections to the campus community, including Transfer Knights club;
- Written articulation agreements and inter-institutional relationships between the University of Central Florida and secondary schools, Florida College System institutions or universities; and,
- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, Florida College System institutions, and other institutions.

University Testing Center (UTC)

Director: Rebecca Piety
HPH 106; 407-823-5109
Email: utc@ucf.edu
<http://utc.sdes.ucf.edu>

The University Testing Center administers the Accuplacer; Critical Thinking Test, Distance Learning/Correspondence Exams; Florida Teacher Certification Examination (FTCE); Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); UCF Math Placement Test; R/N Predictor, and Test of Essential Academic Skills (TEAS).

UTC administers the following national standardized examinations:

- College Level Examination Program (CLEP)
- Graduate Record Examinations (GRE) – Subject Areas Only
- Praxis
- Law School Admissions Test (LSAT)
- Test of English as a Foreign Language (TOEFL iBT)

Veterans Academic Resource Center (VARC)

Director: Paul Viau
Veterans Academic Resource Center, ARNA; 407-823-2707
Email: varc@ucf.edu
<http://varc.sdes.ucf.edu/>

The Veterans Academic Resource Center (VARC) recognizes and supports student veterans as they transition from military to student life. The VARC, a unit of the Registrar's Office, is a collaboration among the offices of Career Services, Counseling and Psychological Services, Student Academic Resource Center, Student Disabilities Services, and Transfer and Transition Services, and provides the home for Veteran Services. VARC has been designated as a Center for Excellence for Veteran Student Success and is partially funded by a grant from the U.S. Department of Education Fund for the Improvement of Postsecondary Education (FIPSE).

Located at UCF Knights Plaza/Arena, across from Barnes & Noble, VARC is open 9 a.m. to 5 p.m. Mondays through Fridays, and provides study, tutor and lounge areas for student veterans, as well as programs and events designed specifically for student veteran needs.

Veteran Services

Assistant University Registrar: Bethany Glassbrenner
Veterans Academic Resource Center, ARNA; 407-823-2707
Email: varc@mail.ucf.edu
<http://varc.sdes.ucf.edu/benefits>

Veteran Services serves all veteran students and eligible dependents who are using VA educational benefits to further their education. The office provides information concerning entitlements, filing claims to the Department of Veterans Affairs (DVA), certifying enrollment at the University, and deferring tuition and fee payments. Veterans and eligible dependents must be certified through Veteran Services each term to receive VA educational benefits. All veterans and eligible dependents are urged to consult Veteran Services early in the UCF admissions process for information about Veteran Services.

To maintain eligibility for VA education benefits, students must adhere to the policies and procedures for VA educational benefits as noted on the GI Bill website (<http://www.gibill.va.gov/>).

UCF, being a member of SOC (Service Members Opportunity College), provides credit for various military training and education. Credit is awarded for regionally accredited schools and courses only. Transfer credit is awarded per the recommendations of the American Council on Education (ACE) Guide, based upon courses and/or training listed on the DD Form 214, SMARTS, ARTS, or other official military record. U.S. Air Force veterans must coordinate with the Community College of the Air Force to provide official CCAF transcripts to the Undergraduate Admissions Office.

Students eligible for VA educational benefits may also be eligible for a VA deferral of tuition and fees. The VA Deferment due date is contained in the "Academic Calendar." Students eligible for financial aid adequate to cover tuition and fees are not eligible for this deferment.

For Fall and Spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9 to 11 credit hours for three-quarter time benefits, and 6 to 8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on VA Chapter. Check Veterans Services website for Summer term course load and other FAQs.

Division of Student Development And Enrollment Services

Students currently enrolled at UCF and another institution may receive VA educational benefits, but first must complete the appropriate Transient Form and consult with Veterans Services. Veterans and eligible dependents who desire to change their major, or pursue a dual major, dual degree, or who add a minor may receive VA educational benefits but must obtain approval from DVA before taking any of the applicable courses. This includes a minor in military science. NOTE: some majors may have extra elective hours that can be used for courses for a minor or another major.

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct. Individuals placed on academic probation must raise their grades to a UCF GPA of 2.0 or above and be removed from probation within the next two semesters to continue to receive benefits.

Accordingly, benefits will be terminated for individuals who are disqualified, excluded, suspended, or expelled from the University. If reinstated by the University following disqualification, exclusion, suspension, or expulsion, the veteran or eligible dependent must contact Veterans Services to have their VA educational benefits re-activated.

Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.

Effective August 1, 2011, the Post-9/11 GI Bill pays only for public school in-state tuition and fees. Out-of-state tuition is no longer paid for by the VA. The University of Central Florida is designated as a

VA "Yellow Ribbon" institution to help defray the out-of-state tuition. Out-of-state student veterans and dependents may apply for "Yellow Ribbon" program eligibility when certifying their GI Bill education benefits. Please go to: http://varc.sdes.ucf.edu/assets/documents/ucfyellowribbonprogram_rules.pdf for more information.

Wellness and Health Promotion Services including the Campus Alcohol and Other Drug Intervention Program

Director: Tom Hall
CAPS and RWC; 407-823-2924/407-823-5841
<http://whps.sdes.ucf.edu>

Wellness and Health Promotion Services (WHPS) aims to assist every UCF student in being a "Healthy Knight" and coordinates the campus Healthy Knights 2020 initiative. WHPS recognizes the role of lifestyle in health, academic success, and disease prevention by offering a wide range of health promotion and intervention services on topics including: sexual wellness, nutrition, financial wellness, stress management, sleep hygiene, body acceptance, smoking cessation, sexual violence, and healthy relationships. A variety of services are provided, including screening, education, health promotion, alcohol and other drug assessment and evaluation, short term intervention, and referrals for treatment, along with HIV Testing & Counseling, massage therapy, and biofeedback assisted relaxation training.



TRANSFER AND TRANSITION SERVICES



Transfer and Transition Services

Director: Charlene A. Stinard
HPH 221; 407-823-5959, Fax: 407-823-3955
Email: tservices@mail.ucf.edu
<http://transfer.sdes.ucf.edu>

Transfer and Transition Services helps students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. or articulated A.S. from a DirectConnect partner school are guaranteed admission (upon meeting admission criteria). Partner institutions include Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College. Florida College System institution and university A.A. graduates are guaranteed certain rights and privileges according to the statewide Articulation Agreement.

Students transferring with an A.S. in one of the statewide articulated degree programs should refer to the "Articulated A.S. to B.S. Programs" chapter of this *Undergraduate Catalog*. Any questions about these programs should be directed to the Director of Transfer and Transition Services.

Where Can I Go For Help?

For information or assistance during the transfer process, you may contact Transfer and Transition Services, located in Howard Phillips Hall, room 221. Call the Student HOTLINE at 407-823-5959 for immediate access to staff during regular business hours. Visit the website at <http://transfer.sdes.ucf.edu>.

Transfer and Transition Services provides the following services and resources:

- Accurate and current information about university programs and policies including entrance and exit requirements, as well as information concerning:
- General academic advising for transfer students before and after they enroll at UCF
- Pre-admission academic advising for students applying to UCF; DirectConnect advising available at Valencia College East Campus
- Advising for students who are undeclared, undecided, or changing majors
- Peer Mentors provide advising and transition assistance by telephone, email, and office appointments
- Student information and advising HOTLINE 407-823-5959

- Website for transfer students (<http://transfer.sdes.ucf.edu>)
- Transfer Knights social club; Tau Sigma Transfer Honor Society
- Orientation advising and assistance
- Written articulation agreements between UCF and other universities and colleges

How Can a Florida College System Institution Counselor or Advisor Help Me?

It is important that you are kept informed of all requirements for transferring to UCF. Florida College System institution counselors and advisors are provided with information and resources about the requirements to enter each program at UCF. They can help you determine which classes you need to complete before transferring. Additionally, they have access to information for limited access majors that have special requirements: application deadlines, GPA, testing, portfolios, letters of recommendation, etc.

DirectConnect to UCF provides A.A. and A.S. students and alumni of Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College guaranteed access to UCF. Meet with a DirectConnect advisor as soon as you earn 30 credit hours. At the Valencia College East Campus, TTS provides DirectConnect to UCF pre-admission and transition advising in Building 5, room 230; call 407-582-2318 to set up an appointment.

Why Should I Complete My A.A. Before Transferring From a Florida Public Institution?

Receiving your A.A. from a Florida public institution ensures special benefits guaranteed under the statewide Articulation Agreement. The following are some of the advantages of receiving your A.A.:

- Priority in admission to state universities;
- Acceptance of at least 60 credit hours toward the baccalaureate degree; no additional general education core requirements;
- Acceptance of all courses taken at your institution, if the same course with the same course number is offered at UCF;
- Transfer of all accelerated programs (CLEP, AP, IB, early admission, and dual enrollment courses) within the A.A.; official test scores must be sent to receive UCF course credit;
- Advance knowledge of selection criteria for limited access programs; equal opportunity with UCF native students to enter limited access programs; and,
- All grade forgiveness awarded under the A.A. will be honored.

Priority admission is given to A.A. and articulated A.S. graduates from the Florida public community and state colleges and state universities. If you do not complete an A.A. at a Florida College System institution or university, you must complete UCF's general education requirements, which may be considerably different from your previous institution's requirements. If you have met all the A.A. requirements, you should have "General Education Requirements Met" placed on your transcript to assure getting credit for meeting General Education and Gordon Rule requirements. Without this statement you must satisfy UCF's general education requirements and Gordon Rule courses. If your grade point average falls below a 2.0 (without grade forgiveness), you will not be admitted.

What Are the Foreign Language Requirements?

Admission Requirement: To be admitted you should complete two years of the same foreign language or American Sign Language in high school (document by submitting an official high school transcript), or 8-10 credit hours in the same language at the college level, or pass a CLEP or other proficiency examination. Students admitted without this requirement must satisfy it prior to graduation.

Graduation Requirement: Some baccalaureate degrees require students to demonstrate foreign language proficiency as a graduation requirement; this requirement may be satisfied by college-level course work or testing equivalent to two semesters of college instruction. Some majors require additional proficiency; some departments accept American Sign Language to meet the proficiency. Consult the UCF *Undergraduate Catalog* for graduation requirements for specific majors. High school courses will not satisfy graduation foreign language requirements. International students required to provide TOEFL scores for admission are considered to have satisfied the graduation requirement.

How Will My Credits Transfer?

All college level credits earned for which official transcripts have been submitted will be compiled into a Transfer Summary Report (TSR), which is available online after your admission to UCF. The TSR is the basis for constructing a Degree Audit, which applies earned credits toward your intended degree program. The audit provides you with an assessment of which degree requirements have been met and which remain to be satisfied. You will use the audit to schedule courses that meet your remaining requirements.



Common Program Prerequisites: To view generic course substitutions for Common Program Prerequisites that may be offered at the Florida College System institutions or other state universities, please go to the Florida Virtual Campus website at <http://www.flvc.org>. Usually these courses will be substituted automatically in your audit to fulfill the correct requirement.

Some credits listed on the TSR may not be applicable toward graduation course requirements; e.g., some departments do not accept a transfer grade of "D" (1.0). You should review the TSR carefully to ensure that all credits are included. Courses not automatically credited to your degree program must be evaluated on a course by course basis. General education courses are evaluated through Academic Services; all other courses are evaluated by the academic department offering the courses.

Transfer Checklist

Before Completing the A.A. or Articulated A.S.

Y___ N___ met with a DirectConnect advisor
 Y___ N___ met with counselor or advisor for graduation check
 Y___ N___ completed application for graduation

Application for Admission

___/___/___ date submitted
 Y___ N___ checked admission status at <https://my.UCF.edu>
 ___/___/___ date of acceptance

Transcripts

(original transcript from all institutions attended)

Y___ N___ transcripts sent from all current and prior institutions
 Y___ N___ date final transcript sent after term completed

Financial Aid/Scholarship

___/___/___ date financial aid application (FAFSA) sent
 ___/___/___ date SCHOLARSHIP application sent
 Y___ N___ "to do" list checked on myUCF

Housing

Y___ N___ reviewed OCSS handbook:
Survival Guide for Living off Campus
 ___/___/___ date application sent
 (include deposit when required)

Immunization

___/___/___ date Student Health Form submitted
 Y___ N___ need immunizations

Foreign Language Requirements (Admission)

Y___ N___ 2 years/units earned in high school
 Y___ N___ 8-10 credits earned at the college level
 Y___ N___ credits to be taken at the university

Note: Although American Sign Language may be used to satisfy the UCF admission requirement, it **may not** satisfy graduation requirements of the specific major.

Program (Major) Requirements

Y___ N___ selected a major
 Y___ N___ completed major prerequisites
 Y___ N___ submitted limited access application
 Y___ N___ met grade point average (GPA) requirements
 Y___ N___ met cumulative GPA for admission to program of study
 Y___ N___ met cumulative GPA in courses taken for program of study
 Y___ N___ met grade requirements for designated courses
 Y___ N___ met audition/portfolio/additional admission requirements

Orientation:

___/___/___ Orientation date at UCF

Transfer and Transition Services

You must make sure that all official college transcripts, including a final transcript from the last institution you attended, are submitted to the Undergraduate Admissions Office within ten days of the start of your first term at UCF. If Admissions does not receive them, a hold is placed on your record, making it difficult for you to receive financial aid or to register for a future term.

When Do I Pay My Bill?

For students taking courses at UCF for the first time, tuition and fee payments are due by the published deadline. Students can print a copy of their Fee Invoice online from myUCF (<https://my.ucf.edu>). A late payment fee of \$100 will be assessed on all accounts not paid or deferred by each term's payment deadline. Please note that you will not be sent a bill. It is up to you to view your Fee Invoice through myUCF. If you decide not to attend, but have registered for classes, be sure to drop all classes, or you will be fee liable.

Financial Aid deferments will automatically be reflected on your Fee Invoice. If the total amount of your tuition and fees exceeds the amount of your deferment, the difference must be paid by the due date on your Fee Invoice. The following programs are not included in the automatic deferral program: work/study programs, third party deferments, other waivers, and direct pay scholarships.

Can Transfer Students Participate in The Burnett Honors College?

Qualified students who transfer to UCF with an honors A.A. from a Florida College System institution that has signed an articulation agreement with The Burnett Honors College will be admitted into University Honors with junior standing. Florida College System institution transfers and other students who have completed their general education requirements may participate in the Honors in the Major program through the completion of departmental honors requirements, including an original research project. Transfer students who apply for admission to departmental honors programs must have a minimum GPA of 3.5 in their major. Successful completion of either honors program will be noted on your transcripts and diploma. For more information, call 407-823-2076 or visit the honors website at <http://honors.ucf.edu>.

Transfer Tips:

Office Visits for Transfer Advising

- Students are encouraged to contact Transfer and Transition Services or their DirectConnect advisor with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday and Thursday, 8:30 a.m. to 5:30 p.m., Tuesday, Wednesday, and Friday 8:30 a.m. to 4:30 p.m.
- Transfer students must declare a major; students undecided about their major should contact Transfer and Transition Services for advisement.
- Undeclared students with 45+ credit hours are placed on advising hold.

Students should:

- Submit your application as soon as you have earned 45 credit hours, at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted "contingent upon completion of the A.A." if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.
- Complete the "Immunization Form." Registration is not allowed without the completion and approval of this form.
- Complete the "Free Application for Federal Student Aid" (FAFSA). To be considered for **all** aid available, your financial aid file should be complete by **March 1**.



ACADEMIC ADVISING

Responsibilities

Academic advising is a process that assists students in the clarification of life goals and the translation of these goals into educational plans. It provides assistance to students as they explore educational opportunities and develop educational plans and objectives. Academic advising connects students with the University by bringing meaning to its mission, its curriculum and to the learning environment that is the University community. Academic advising is committed to assisting and supporting students with developing their educational, career and life goals. It provides access to campus resources, and coordinates the integration of all aspects of student life into learning experiences. It is an individualized avenue of communication that assists students in the planning and decision-making process.

Although academic advisors provide assistance, it is the student's responsibility to know the university policies, procedures, requirements, and seek out assistance when needed. There are a variety of academic advising systems available at UCF in each of the colleges, schools, and the Division of Student Development and Enrollment Services.

Freshman (First Time in College - FTIC)

Every incoming freshman is assigned a professional first year academic advisor in one of the five offices listed below. These advisors also collaborate with the University's Colleges and Schools, and link students to advisors in various academic programs. The assignment of a first year advising office will be based on the specialized services of each program and the student's particular needs. Please know that although you have been assigned to an advisor in one of the offices, you are not limited to seeking help there. Academic advising is one of the most important services provided at UCF and can impact a student's successful progression to graduation.

New FTIC Students can expect to:

1. Attend a mandatory UCF Orientation that will provide:
 - a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
 - b. An assessment of high school grades, entrance and placement test scores, and AP, dual enrollment and CLEP credit;
 - c. An awareness of expectations for success at UCF; and,
 - d. Information about key academic policies and important deadlines.
 2. Connect with their first year advising office according to the following designated priority order:
 - a. **First Year Advising and Exploration (FYAE)** - for first year students in the EXCEL, LEARN Living Learning Community, STEP, the College Achievement Program (CAP), Pegasus Success Program, SOAR program and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (HPH 116)
 - b. **Academic Services for Student-Athletes (ASSA)** - for student athletes (WDSC 110)
 - c. **Sophomore and Second Year Center (SSYC)** - for freshman students entering UCF with 30 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (HPH 215)
- These offices provide students with general education advising, academic exploration for undeclared students, academic support, registration assistance, and on-going information about University policies and procedures throughout the first year experience. For more information about the first year advising offices and their services, please see the "Student Development and Enrollment Services" chapter of this *Undergraduate Catalog*.
3. Participate in programs and advising activities that will promote a successful transition from high school to the university.
 4. Transition to an academic advising office within the college of the student's chosen major after the completion of his or her first year.

The Burnett Honors College

New students will:

Attend the UCF Orientation designated for The Burnett Honors College. At this time students meet with Honors staff and learn about The Burnett Honors College courses and GPA requirements, and register for Honors and non-Honors classes.

Continuing students will:

1. Contact the department of their major and meet with their advisor in the department during the first two months of any semester to review progress and plan a program of study;
2. Meet with their advisor in the department of their major prior to registration;
3. Contact the Office of Honors Advising (BHC 109) and based on the recommendation from their academic advisor and the requirements for University Honors, an Honors Advisor will assist with Honors course selection;
4. Continue to register for classes online;
5. Check their "Fee Invoices/Schedule" to ensure accuracy of class schedule; and,
6. Attend any mandatory Honors advising appointments.

College of Arts and Humanities

Majors within the College of Arts and Humanities should meet with their major/minor advisor concerning major/minor requirements and with an advisor in CAHSA regarding all other inquiries. CAHSA is located in Colbourn Hall (CNH) room 201 and advisors can be reached by phone at 407-823-3312 or via email at cahsa@mail.ucf.edu. Students can also access CAHSA's website at: <http://www.cahsa.ucf.edu>

New students will:

1. Meet with a CAHSA advisor in a group setting during Orientation to discuss college policies and procedures;
2. Meet with a major advisor to discuss major requirements, career opportunities, and plan a class schedule;
3. Register for classes at a central location; and,
4. Check their "Fee Invoices" to ensure accuracy of their class schedule.
5. Create and regularly check their Knights Email account.

Continuing students will:

1. Meet with their major and/or minor advisor in the department to review academic progress and plan a program of study for subsequent semesters. Review this plan each term with their major/minor advisor and prior to registration;
2. Access their Degree Audit at least every term and understand all degree requirements;
3. Refer any questions pertaining to university credit hour requirements, degree audits, academic standing and college/university policies and procedures to CAHSA. All questions pertaining to major/minor requirements should be directed to the department advisor in the major/minor program; and,
4. Meet with their major/minor advisor to conduct a graduation review of major/minor requirements in the semester prior to the intended semester of graduation. After seeing the major/minor advisor and in the semester prior to the term of graduation, eligible students will receive an email from CAHSA indicating how to file their "Intent to Graduate" forms and in order to conduct a graduation review. Please refer to the academic calendar for the deadline to file your Intent to Graduate.
5. Regularly check their Knights Email account.

Graduating students will:

1. File the online intent to graduate form by the posted deadline for the semester in which they intend to graduate. Please note that the deadline for filing is always the semester prior to the semester in which you intend to graduate.
2. Meet with a CAHSA advisor after filing the online intent to graduate and prior to the deadline for filing the intent.
3. Maintain current contact information and regularly check their Knights Email account and degree audit.



Academic Advising

College of Business Administration

The College of Business Administration (CBA) seeks to provide its students with the highest quality academic advising. The intent of the advising system is to assist prospective and current business majors in the development of an educational plan.

New students will:

1. Meet college advising representatives in a group setting during Orientation to discuss college policy, procedures, and degree programs;
2. Review degree requirements at Orientation using the Degree Audit and CBA literature to better understand degree requirements and a Degree Audit;
3. Meet with an academic advisor in the Office of Undergraduate Student Support (USS; BA2 101) during the first enrolled term to petition any relevant transfer work into their degree program;
4. Meet with a Career advisor in the College of Business Administration, BA2 Room 222 (Career Services Satellite Office), to understand the career options of your major; and,
5. Be advised in the USS if the major is Business Pending and the student is classified as at least Sophomore standing.

Continuing students will:

1. Meet with an academic advisors in the USS to review academic progress and develop or update an academic plan. This plan should be reviewed prior to registration each term;
2. Review Degree Audit on myUCF. Check myUCF, CBA TV monitors, or the USS Office for registration dates each term;
3. Register at your scheduled appointment time. Register in myUCF if admitted to the major. All changes to your class schedule must be completed by the end of the drop/swap and add periods;
4. Complete all prerequisites prior to admission to upper division classes; and,
5. Meet with an academic advisor in USS during the semester/term prior to the anticipated graduation term. File the "Intent to Graduate Form" by the end of the term prior to the term preceding that which is planned for graduation.

College of Education and Human Performance

New students will:

1. Meet college advising representatives in a **group** setting during Orientation to:
 - a. Discuss College of Education and Human Performance admission requirements needed for enrollment in upper division education classes
 - b. Review degree program requirements
 - c. Understand expectations and responsibilities associated with a career in education
2. Be advised by the College of Education and Human Performance's Undergraduate Advising Office (ED 110) if their major is Elementary Education or Education Pending. Academic advising sessions may be scheduled by calling 407-823-3723;
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education and Human Performance admission requirements. The advisor's name and telephone number appear on the Degree Audit and in myUCF to assist students in making an advising appointment; and
4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education and Human Performance based on program requirements.

Continuing students will:

1. Set up an appointment with their academic advisor **upon acceptance to their major**, or the Academic Advising Center, **if a "Pending" major**, to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. View a Degree Audit through myUCF;
3. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add/Drop period;
4. Utilize LiveText software based upon program requirements; and
5. File an on-line "Intent to Graduate Form" by the end of the term prior to the term in which graduation is intended.



College of Engineering and Computer Science

New students will:

1. Meet with the Engineering and Computer Science Academic Affairs representative in a **group** setting during Orientation to:
 - a. Review the College of Engineering and Computer Science (CECS) academic policies and procedures
 - b. Plan an appropriate first term schedule;
2. Meet with a faculty advisor in the department of their major to:
 - a. Understand the career options of the major
 - b. Discuss degree program requirements; and,
3. Be advised in the CECS Academic Affairs Office (ENG1 107) if Undecided Engineering majors. Students are encouraged to seek advisement on determining a major as soon as possible. Failure to declare a major by the end of the first year may result in a delay of graduation.

Continuing students will:

1. Meet with an advisor in the CECS Academic Affairs Office or the department of their major during each term. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the CECS Academic Affairs Office or Computer Science Undergraduate Advising Office in HEC 345;
2. Set up an appointment with an advisor to review your academic progress and to develop an academic plan. Review this plan each term with the advisor prior to registration;
3. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration appointment time, and search for classes (once the class schedule is available) through myUCF at <https://my.ucf.edu>;
5. Register at the scheduled appointment time in myUCF, or in person in the CECS Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period;
6. Participate in the college designated intervention plan if you have been placed on an engineering or computer science advisement hold. An intervention through the CECS Academic Affairs Office will be required each semester a student is on advisement hold; and,
7. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

College of Health and Public Affairs

New students will:

Meet college advising representatives in a **group** setting during Orientation to:

1. Discuss degree program requirements;
2. Understand career options of the major program of study; and
3. Plan an appropriate first semester class schedule.

Continuing students will:

1. Meet with COHPA Undergraduate Student Services advisors (HPA2, 115) during the first few weeks of each semester to check selection of program courses, assignment of a faculty advisor, and progress toward graduation;
2. View a Degree Audit through myUCF frequently to check progress toward course requirements; and
3. File the "Intent to Graduate Form" through myUCF and meet with an advisor in the COHPA Undergraduate Student Services office by the end of the term prior to the term in which graduation will occur.

College of Medicine Burnett School of Biomedical Sciences

New students will:

Meet with the Office of Student Services and Advisement (OSSA) advisors in group settings during Orientation to:

1. Discuss degree program requirements;
2. Understand career options of the major program of study; and
3. Plan an appropriate first semester class schedule.

Continuing students will:

1. Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor each semester to check on possible career and research opportunities;
3. See an advisor in the Office of Student Services and Advisement (OSSA) if pending major for limited-access Medical Laboratory Sciences program during the first few weeks of each semester to check progress toward eligibility for application to the major;
4. View a Degree Audit, registration time, and search for classes (once the class schedule is available) through myUCF;
5. Register for courses at the scheduled appointment time. Complete all schedule changes by the end of the published add period;
6. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the Office of Student Services and Advisement (OSSA), by the end of the term prior to the term in which graduation will occur; and,
7. Pre-health professional students: See Pre-Health Professions Advisor in HPA1 124, 407-823-2670.

Pre-Health Professions Advisement

The Pre-Health Professions Advisement Office (HPA1 124; 407-823-2670) serves all students University-wide preparing for and seeking admission to professional schools of medicine, osteopathic medicine, dentistry, optometry, pharmacy, podiatry, veterinary medicine, chiropractic, physical therapy, and physician assistant programs. The services range from basic advising in pre-health professions matters, to providing a Composite Evaluation of the student to each professional school to which the student applies (upon his/her request after at least 30 credit hours of typical undergraduate pre-health professions courses taken at UCF).

Pre-Health Professional Planning

Preprofessional advisement deals primarily with application and admission procedures to professional schools.

Admission to a health professional school is highly competitive. Pre-health professions students are expected to be high achievers, and to obtain good grades with heavy loads and rigorous course combinations.

Most professional schools expect applicants to present at least a "B" average and to carry a minimum of 15 credit hours each term, with the exception of Summer term.

Each student is urged to carefully select a degree-granting major. This will not only allow one to become more competitive for admission, but also to prepare for an alternate career in the event admission to a professional school is denied. **Any** degree-granting program may be selected as a major; however, the science majors generally lend themselves most adequately to pre-health professions preparation as their curricula includes many courses required for admission to most professional schools.

All students seeking admission to health professional schools should enroll in SLS 2311, Overview of Selected Medical Careers, in their first Spring semester at UCF.

Additionally, prudent use of elective hours in the curricula will permit other appropriate pre-health professions courses to be obtained.

All pre-health professions students are strongly encouraged to participate in the activities of one or more of the student health related organizations.

Curricula Guidelines

All pre-health professions students are strongly encouraged to enroll in SLS 2311 (Overview of Select Medical Careers) the first Spring semester they are enrolled. This course provides a broad exposure to the various four-year health professions. In addition, the entire pre-

professional process (academic preparation, applications, admission tests, interviews, admissions, scholarships, etc.) is explained in depth.

All pre-health professions students should complete the following science courses (many of which are applicable to the GEP) to meet the variable requirements of the Florida medical schools:

General Biological Sciences	BSC 2010C, 2011C*
Genetics	PCB 3063
General Chemistry	CHM 2045C, 2046, 2046L
Organic Chemistry	CHM 2210, 2211, 2211L
Biochemistry	BCH 4053
Biochemistry/Molecular Lab	BCH 4103L or BSC 3403C
Microbiology	MCB 3020C
Calculus	MAC 2253 (prefer MAC 2311, 2312
Physics	PHY 2053C, 2054C or PHY 2048, 2049
Statistics	STA 2023

**Biomedical Sciences and Biotechnology majors substitute BSC 3403C (Quantitative Biological Methods) for BSC 2011C*

For additional recommended courses, contact the Pre-Health Professional Advisement Office (HPA1 124).

Dates of Importance

The preprofessional screening process is initiated every February. Application packets are available at the Pre-Health Professions Advisement Office during the month of February. Dental and veterinary medicine applicants should return completed packets by **April 15**. All other applicants (chiropractic, medical, optometry, podiatry, and pharmacy) are encouraged to return completed packets by **May 1**.

All students should be aware of registration deadlines and test dates for their specific admissions exam (DAT, MCAT, OAT, GRE, etc.). In addition, most four-year health professions schools subscribe to professional application services (AMCAS, ADDSAS, ACOMAS, etc.), thus require completion of a thorough application packet provided by the various application services. Otherwise, the student applicant must deal directly with the admissions office of the school.

College of Nursing

New students will:

Meet college advising representatives in **group** settings during Orientation to:

1. Discuss degree program requirements;
2. Understand career options of the major program of study; and,
3. Plan an appropriate first term class schedule.

Continuing students will:

1. If **accepted in a nursing program**, see a faculty advisor during the first few months of each semester to review program courses and check progress toward graduation.
2. If a **nursing pending major**, see an advisor in the College of Nursing, Office of Undergraduate Student Services, during the first few weeks of each semester to check progress toward eligibility for application to the major.
3. View a Degree Audit through myUCF; and,
4. File an "Intent to Graduate" online through myUCF by the end of the term prior to the term in which graduation will occur.

College of Sciences

Although students may have multiple advisors, College of Sciences majors must meet with an academic advisor within their major department and/or the staff of COSAS (College of Sciences - Academic Services, located in CSB 250) as soon as possible.

New students will:

1. Meet in a **group** setting during Orientation with representatives from the College of Sciences to discuss college policies and procedures;
2. Meet with representatives of the department of the major to discuss major requirements and plan what courses to take;
3. Refer to COSAS any questions pertaining to General Education requirements, AP and CLEP credit, Gordon Rule, university credit hour requirements, university policies and procedures, etc.;
4. Register for classes at a central location; and,
5. Check their "Fee Invoices" to ensure accuracy of their class schedule.

Academic Advising

Continuing students will:

1. Contact the department of their major and meet with a faculty or professional advisor during the first two months of any semester to review progress and plan a program of study;
2. Meet with their academic advisor in the department of their major prior to registration, and before the beginning of the term to ensure their schedule is still appropriate.
3. Access the class schedule and Degree Audit online at <https://my.ucf.edu>;
4. Register for classes through <https://my.ucf.edu>. Special assisted registration (e.g., overrides, independent study, thesis) for COS courses must be handled in COSAS;
5. Refer to COSAS any questions pertaining to the Degree Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the Degree Audit should be directed to the department; and,
6. Check their "Fee Invoices" to ensure accuracy of their class schedules.

Students placed on probation due to low UCF GPA will:

1. Have a "HOLD" placed on their subsequent registration;
2. Be required to attend a COSAS workshop;
3. Design a plan of study with an advisor for the upcoming semester; and;
4. Bring the plan of study to their COSAS advisor prior to the withdrawal deadline of the current semester and prior to registration for the subsequent semester.

Graduating students will:

1. During the term prior to your term of graduation, do all of the following;
2. Review COS graduation instructions available at <http://undergrad.cos.ucf.edu/current/graduation.php> (click on graduation tab);
3. Complete the on-line graduation application on myUCF within the dates specified at <http://www.registrar.sdes.ucf.edu/calendar/>; and,
4. Receive a review of their degree audit by a COSAS advisor and may be required to see a COSAS advisor to review status.

Office of Undergraduate Studies

Office of Interdisciplinary Studies

All students must make an appointment to meet with a member of the Interdisciplinary Studies Advising Team prior to declaring a major in Interdisciplinary Studies.

New students will:

1. Meet with a member of the Interdisciplinary Studies Advising Team during Orientation to discuss policies and procedures, degree program requirements and tracks, and to plan an appropriate first semester class schedule;
2. Schedule a meeting with a member of the Interdisciplinary Studies Advising Team to officially declare a major and create an individual plan of study, including declaring a minor;
3. Meet with an advisor in the department of the minor to review the minor's program requirements;
4. Refer to Academic Services any questions pertaining to general education requirements, AP and CLEP credit, Gordon Rule, and other policies and procedures as appropriate; and,
5. Register for classes online.

Continuing students will:

1. Meet with a member of the Interdisciplinary Studies Advising Team prior to registration and/or before the beginning of each term to review progress and selection of courses and address any questions pertaining to the program;

2. Access the class schedule and Degree Audit and register online during their scheduled appointment time at <https://my.ucf.edu>;
3. Meet with an advisor in the department of their minor to review progress and, prior to graduation, confirm that the minor requirements have been met;
4. File an "Intent to Graduate" online through myUCF by the appropriate deadline at the end of the term prior to the term in which graduation will occur; and,
5. Check their Fee Invoices to ensure accuracy of their class schedule.

Rosen College of Hospitality Management

New students will:

Meet college advising representatives in **group** settings during orientation to:

1. Discuss degree program requirements;
2. Understand career options and major programs of study;
3. Plan an appropriate first semester class schedule; and,
4. Review and learn how to interpret a Degree Audit through myUCF.

Continuing students should:

1. See a Faculty Advisor for assistance with selecting a concentration of study;
2. View degree requirements according to catalog year and course prerequisites prior to schedule planning;
3. See a Program Advisor prior to registration to review degree requirements and to make sure you are on track for graduation;
3. View a Degree Audit through myUCF and contact a program advisor in the Office of Student Services regarding questions or concerns; and,
4. File an "Intent to Graduate" online through myUCF by the end of the term prior to the term in which you plan to graduate.

Regional Campus System

<http://regionalcampuses.ucf.edu>

New transfer students are given the opportunity to meet with a Professional or Faculty Advisor prior to applying to UCF and at any time while enrolled to discuss programs and requirements. Students are asked to meet in a pre-advising session prior to Orientation to determine if the student is a Regional Campus or Orlando Campus student. Orlando Campus students are asked to attend Orientation on the Orlando Campus with the College of their choice. Regional Campus students are required to attend live or virtual Orientation on the Regional Campus they plan to attend. The student will receive:

1. Information about the degree programs offered at the Regional Campus;
2. An understanding of the career options associated with their major program of study; and,
3. An appropriate program of study along with the first term class schedule.

Regional Campus students have several opportunities to obtain academic advising which begins as co-advising with the College in the DirectConnect to UCF program and continues with professional advisors available at the Regional Campuses. Current students will continue to receive advising on the Regional Campus of their choice for the programs that are available on that campus. For a list of the academic programs available through the Regional Campus System, see 'UCF Regional Campuses' within the "University of Central Florida" section of the *Undergraduate Catalog*.

Orlando Campus students may receive supplemental advising on the Regional Campus, in partnership with the College of the major on the Orlando Campus; this will aid the student in taking courses that are offered at the Regional Campus if they are a part of the students' degree program.



ACADEMIC REGULATIONS AND PROCEDURES

Registration Policies

During each academic term, registration is held for all new, currently enrolled, degree-seeking and non-degree seeking students for the following term. Registration sessions consist of Registration and Late Registration (held during the first week of classes for each term/session). Spring Registration begins following midterm for the Fall semester. Summer and Fall Registrations begin following the midterm of the Spring semester. Class listings are available only online through the Class Schedule and Course Catalog Search at <https://my.ucf.edu>. Registration is available over the web using the myUCF system at <https://my.ucf.edu> and in the college advising offices. The dates and times for each registration period are included in the "Academic Calendar" online at <http://www.registrar.ucf.edu/calendar/academic/>.

Web Enrollment Guide

The *Web Enrollment Guide* is maintained online. It provides the official "Academic Calendar" and describes the policies and procedures governing registration each term. The *Guide* is available on the Registrar's Office website at <http://www.registrar.ucf.edu/weg/>.

Terms and Credit Hours

The University of Central Florida academic schedule consists of two semesters (Fall and Spring), and the Summer term. The graduation credit value of each course of instruction is stated in terms of credit hours. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

(a) One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time; or

(b) At least an equivalent amount of work as required in paragraph (a) of this definition for academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Undergraduate Enrollment Status

	Credit Hours
Full Time	12 or more
Three Quarter Time	9-11
Half Time	6-8
Less Than Half Time	less than 6

Note: Graduate and post-baccalaureate students please refer to the online *Graduate Catalog* for enrollment status policies.

Credit Hour Limits

Undergraduate students are limited to 14 credit hours for the Summer term and to 17 credit hours for the Fall and Spring semesters. The department chair and college advising office must approve overloads. Overloads may be processed at the college advising offices.

Excess Hours

Effective Fall 2009, pursuant to Florida Statute 1009.286, students entering a Florida College System institution or state university for the first time in Fall, 2009, and thereafter, may be subject to the excess hours surcharge for hours exceeding baccalaureate degree program completion requirements. Students should regularly review their degree audits and consult with an academic advisor to make sure they are not enrolling in excess courses. More detailed explanation of the excess hours rule can be found on the University Registrar's Office website at <http://registrar.sdes.ucf.edu>.

Students beginning Fall Semester 2009 through Summer 2011 will be charged 1.5 times the tuition rate for each credit hour beyond 120% of the required hours of that degree program. Students beginning Fall 2011 through Summer 2012 will be charged two times the tuition rate for each credit beyond 115% of the required hours of that degree program. Students beginning Fall 2012 and beyond will be charged two times the tuition rate for each credit beyond 110% of the required hours of the degree program.

Holds

A hold (negative service indicator) may be placed on a student's records, transcripts, grades, diplomas or registration due to financial or other obligations to the University. Satisfaction and clearance of the hold is required before a release can be given. Students may check for holds on the myUCF system at <https://my.ucf.edu> under the Student Self Service link. To obtain a release for financial holds, payment to the Cashier's Office must be made either in cash, credit card, cashier's check, or money order.

Drop/Swap and Add Policy

Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the Academic Calendar). Drop/Swap or Add may be done using the myUCF system (<https://my.ucf.edu>) or in the college advising offices. After the Drop-Swap period, no course may be dropped without being fee liable. Courses meeting for the first time after the end of the Drop/Swap or Add period may be dropped the next business day in the Registrar's Office, MH 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or will be fee liable and receive a grade. For withdrawal after the Drop/Swap period, refer to the "Withdrawal Policy" of the *Undergraduate Catalog*. Please consult the Academic Calendar for Drop, Add, and Withdrawal deadlines.

A student is not automatically dropped or withdrawn from a class for not attending, nor can an instructor drop or withdraw a student from a class.

Audit Registration

Audit students are those who desire to attend class(es) without receiving academic credit. Regular tuition and fees are assessed for Audit registration. See the "Fee Schedule" in the "Financial Information" section of the *Undergraduate Catalog*. Audit registration is on a space-available basis at the prescribed time of Registration, or at any time during Late Registration and Drop/Swap and Add when Late Registration fees will apply. Audit requests for students who register prior to this time will be denied. Students may not change to Audit status after Late Registration and Add, but must remain in the course or withdraw through normal withdrawal procedures. New students must be accepted for admission to be eligible to audit a course. Audit forms, available on the Registrar's website (<http://www.registrar.ucf.edu>) and in the Registrar's and college advising offices, must be signed by the instructor and presented to the Registrar's Office at the time of registration.

Senior Citizen Audit

Senior Citizens (60 years of age or older) who have been residents of the State of Florida for at least one year as of the first day of classes, may enroll tuition free as Audit students (i.e., no academic credit) on a space-available basis. Forms to be completed include the "Residency Affidavit," the "Student Health History," the "Senior Citizen Audit Application" and "Senior Citizen Audit Registration Form." These forms are available in the Registrar's Office (MH 161) or at the Registrar's website: <http://www.registrar.ucf.edu>. It is necessary to complete the required forms during the last hours of registration as noted in the "Academic Calendar" online at <http://www.registrar.ucf.edu/calendar/academic/>. Direct student expenses after the completion of registration include the campus ID card, vehicle registration and textbooks.

State of Florida Employee & UCF Employee Registration

State of Florida employee and UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available only basis on the last day of Registration each term at the time specified on the "Academic Calendar" online at <http://www.registrar.ucf.edu/calendar/academic/>. For waiver eligibility and application information, For waiver eligibility and application information, please refer to the Student Account Services website at <http://www.studentaccounts.ucf.edu/>.

Limited Non-Degree Seeking Applicants

This classification allows a student to enroll in selected courses when the student may have no immediate intention of pursuing a degree program. Most opportunities in this status will occur away from the Orlando campus, for courses that are taught out of the regular semester or term cycle, or for special programs mandated by the State of Florida. Successful completion of courses while in this classification **does not** provide a basis for regular admission at a later date.

Programs using the Limited Non-Degree Seeking status include:

- High school Dual Enrollment
- Continuing Education
- Off-campus credit
- Soldiers-to-Scholars
- Regional Campuses
- Teacher Certification or re-certification

Students registering for classes in the Limited Non-Degree Seeking status are subject to the following regulations:

1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification;
2. Students who have been previously denied admission or disqualified for enrollment are not eligible;

Academic Regulations and Procedures

3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students;
4. Registration is permitted on a space-available basis;
5. A maximum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student;
6. International students may not register as non-degree-seeking since immigration regulations prevent foreign nationals from enrolling without admission to a degree or certificate program;
7. Limited Non-degree students are not eligible to receive financial aid nor to participate in intercollegiate sports; and,
8. Students must complete a Limited Non-Degree Seeking Status Registration Form.

Students registering in this category should be aware of the limitations of this status, and are encouraged to apply for regular admission to the University.

State Tuition Exemption Program (STEP) (National Guard) Registration

State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is on a space-available basis during the last hours of registration as noted in the "Academic Calendar" online at <http://www.registrar.ucf.edu/calendar>. STEP students must present a "Certification" letter to Student Account Services (MH 109) to receive waiver of eligible fees. Registration before the time specified in the "Academic Calendar" online at <http://www.registrar.ucf.edu/calendar> will result in the student being assessed regular fees. The tuition fee waiver cannot be used for courses that require increased costs, including, but not limited to courses offered through the Center for Continuing Education, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, co-ops, practicums, or applied, individualized instruction in music, art, or dance. Eligible members of the active Florida National Guard may receive a waiver of 50% of tuition and material and supply fees.

State University System (SUS) Florida Transient Students

An SUS Transient Student is a student in good standing who is seeking a degree from one of the other Florida public universities (SUS) and desires to take courses with UCF. Students must complete the "SUS Transient Application Form" which is available online at <http://www.flvc.org>. No application fee is required. The "SUS Transient Application Form" must be completed each term and should be completed online or delivered/mailed to the Registrar's Office (MH 161), by the application deadline noted in the "Academic Calendar" online at <http://www.registrar.ucf.edu/calendar/academic>. Students should visit the Registrar's Office website at <http://www.registrar.ucf.edu> or contact the Registrar's Office for registration information at 407-823-3100.

UCF Students Attending Another Florida Public Institution
UCF students who desire to attend another Florida Public institution, to earn credit for transfer back into a UCF degree program, as a transient student, are encouraged to complete the "Transient Student Form" online, which is available on the Florida Virtual Campus website at <http://www.flvc.org> under "College Students" > "Transferring". Students wanting to attend a Florida private institution or an institution outside the State of Florida may obtain a printed form from the UCF Registrar's Office. The prior permission of the department, school, and college advising office is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

UCF Students Attending a Non-SUS Institution

A UCF degree-seeking student desiring to earn credit at another college or university for transfer back into a UCF degree program must obtain prior transient approval for specific courses from the Dean or Department Chair of his/her respective college or school. Transient approval of courses to be applied to the UCF General Education Program must be obtained in advance from Academic Services (MH 210). Credit earned without prior transient approval may not be accepted. Plus/minus grades will be transferred for course work earned Fall 2001 and after using UCF's grade point system. Because of graduation certification, students may not take courses in transient status during the term in which they expect to graduate. Student seeking transient status must complete the "Transient Approval Form," available from the college or school advising office or at <http://www.flvc.org> and must submit the completed, approved and signed form to the Registrar's Office (MH 161). Transient credit cannot be used to reduce the last 30 semester hour residency requirement for a baccalaureate degree, the last 20 semester hour residency requirement for an Associate of Arts degree, or any departmental residency requirements.

Enrollment and Degree Verifications

Students may obtain their enrollment verification online through myUCF at <https://my.ucf.edu>. **Enrollment certification is free to currently enrolled students.** Parents, employers, background checking firms, and other third party agencies may request enrollment and degree verifications online at <http://www.degreeverify.org>. A fee will be assessed for all such requests. UCF has contracted with National Student Clearinghouse to provide current enrollment and degree verifications online 24 hours a day, seven days a week. National Student Clearinghouse Customer Service is available at 1-703-742-4200, Monday - Thursday, 9:00 a.m. - 7:00 p.m., & Friday, 9:00 a.m. - 5:00 p.m., ET.

Withdrawal Policy

The Withdrawal period for each term begins after the Drop/Swap deadline. Students remain fee liable for any classes from which they withdraw. Students may withdraw from a class and receive the notation of "W" until the deadline noted in the "Academic Calendar" online at <http://www.registrar.ucf.edu/calendar/academic>. A student may withdraw from courses using myUCF at <https://my.ucf.edu>, or by visiting the Registrar's Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5652. Faxed requests must be received by 5:00 p.m. on the last day to withdraw and must include the student's identification number, the course(s) from which to be withdrawn and his or her signature. Students may also mail a written request to the Registrar's Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped or postmarked before the published withdrawal deadline and must include the student's identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to withdraw in person must sign the request and must provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. Students who withdraw from courses for an entire term with the intent of not returning to UCF must also drop courses for any future terms, or be fee and grade liable.

A student is not automatically dropped or withdrawn from a class for not attending, nor can an instructor drop or withdraw a student from a class.

Late Drop: Following the close of the Drop/Swap period each term as published in the academic calendar, students withdrawing from courses will incur both grade and fee liability. No drop is permitted after the drop/swap deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for drop after the deadline. Students seeking to petition for a late drop should contact the Office of Academic Services. Exceptional circumstances include, but are not limited to, death of an immediate family member, involuntary call to military service, or administrative errors created by the University. Late drops are normally for all courses taken in the term. Students must submit the completed petition and all supporting documentation for a Late Drop to Academic Services (MH 210) within six months of the end of the term for which the Late Drop is sought.

Late Withdrawal: No withdrawal is permitted after the withdrawal deadline as published in the academic calendar except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal should contact the Office of Academic Services. Students who are granted a late withdrawal by Academic Services will be given a passing or failing grade assigned by the instructor of the course. If the student was passing, a "WP" will be recorded on the student's permanent record; if failing, a "WF" will be entered which will be applied to the Grade Point Average. Late withdrawals normally are for all courses taken in the term. If approved, a late withdrawal does not refund tuition, and the student is still fee liable for the late withdrawn courses. Students must submit the completed petition with all supporting documentation for a Late Withdrawal to Academic Services (MH 210) within one year of the end of the term for which the Late Withdrawal is sought.

Medical Withdrawal: Students who seek a withdrawal for the student's own medical reasons must apply for a medical withdrawal following the medical withdrawal procedure. Students seeking to petition for a medical withdrawal should contact the Office of Academic Services. A medical withdrawal is intended for a student whose own medical condition prevents them from completing the semester. All required forms must be submitted to initiate the review process. The

Academic Regulations and Procedures

Grade Change

A grade change is the change of any originally assigned grade to another grade, including grades of "I" and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Grade changes other than medical withdrawals will be considered only during the term immediately following the one in which the grade was assigned, except that grades assigned during the Spring semester may be changed during either the following Summer term or Fall semester. A change in grade must be approved by the dean of the college or school. **A grade will not be changed after a degree has been conferred.** The Registrar will change a student's academic status if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmission is warranted.

Grade Reports

Grades are available from myUCF at <https://my.ucf.edu>.

Attendance, Absences, or Unsatisfactory Work

Under University policy, students are not authorized to attend class unless they are on the class roll, or have been approved to audit and have paid audit fees. Students are responsible for satisfying the entire range of academic objectives as defined by the course instructor and ensuring that their class work and attendance are satisfactory. Students should understand that attendance policies and procedures vary among instructors and academic units, and they must observe any special attendance regulations stipulated by their college, school, department, program, or instructor. Reasons for acceptable absences may include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, professional conferences), military obligations, severe weather conditions, and religious holidays.

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a "Program Verification" form. Program Directors shall provide each student with a copy of this form. It is the student's responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Sports Center, 103A; 407-823-5896.

Absences from classes for court-imposed legal obligations (e.g., jury duty and subpoenas) must be excused. The student may offer other sound reasons. When absences threaten a student's satisfactory completion of a course, the instructor may report the absence to the appropriate Dean of the student's college/school and may choose to call upon the college/school office to request additional information and insight into the significance of or reason for the absences.

Classroom Responsibility

Students are responsible for maintaining classroom decorum appropriate to the educational environment. When the conduct of a student or group of students varies from acceptable standards and becomes disruptive to normal classroom procedures, the instructor has the authority to remove the offending party from the room and refer the student to the Office of Student Conduct (FC 142) for disciplinary action.

In the event of academic dishonesty, faculty members may assign a Z in front of a final course grade on a student's academic record. For further information regarding the addition, removal and appeals process of the Z designation, see <http://z.ucf.edu/>.

Student Conduct

Students are subject to federal and state laws and local ordinances as well as regulations prescribed by the University of Central Florida and the Florida Board of Governors. The breach or violation of any of these laws or regulations may result in disciplinary action. Detailed conduct regulations and procedures are presented in *The Golden Rule*.

A person applying for admission to UCF who has declared a violation of conduct policies at a previous college or university or has been charged with a violation of the law (including traffic violations that

resulted in a fine of \$200 or more) may have circumstances of the case reviewed by the Office of Student Conduct (FC 154) to consider eligibility for admission.

Religious Observances

It is the practice of the University of Central Florida to reasonably accommodate the religious observances, practices, and beliefs of individuals in regard to admissions, class attendance, and the scheduling of examinations and work assignments. A student who desires to observe a religious holy day of his or her religious faith must notify all of his/her instructors **at the beginning of the term** to be excused from classes to observe the religious holy day.

The student will be held responsible for any material covered during the excused absence, but will be permitted a reasonable amount of time to complete any work missed. Where practicable, major examinations, major assignments, and University ceremonies will not be scheduled on a major religious holy day.

Students who are absent from academic or social activities because of religious observances will not be penalized. A student who believes that he/she has been unreasonably denied an educational benefit due to his/her religious belief or practices may seek redress in accordance with the Student Grievance Procedure, as listed in *The Golden Rule*.

Student Classifications

Students will be classified by level, on the basis of credit hours satisfactorily earned as follows:

Freshman: 0-29 credit hours

Sophomore: 30-59 credit hours

Junior: 60-89 credit hours

Senior: 90 or more credit hours, prior to completion of baccalaureate requirements

Post-Baccalaureate:

Any student enrolled in courses, regardless of course level (except one working toward another baccalaureate degree), who has a baccalaureate degree but has not been admitted to a graduate program. All post-baccalaureate students are considered as non-degree undergraduates for all University policies and procedures.

Graduate:

Any student enrolled in graduate courses who has been admitted to a graduate program.

Other Student Classifications:

Auditor:

A student registered for any credit course who is not seeking credit.

Co-op Student:

A student enrolled in the Center for Cooperative Education and Applied Learning Program remains a registered student during all off-campus assignment semesters. Furthermore, there is no lapse in continuity in the co-op academic calendar: a co-op student either is on assignment or attending class during each term.

Special Student:

A student of demonstrated academic ability who does not meet the regular requirements for admission (Early Admission, non-degree-seeking, transient, and auditor).

Temporary:

A student who applied before the deadline and who is permitted to register and attend class pending completion of the admission file.

Transient:

Students temporarily registered (for one term) at UCF with the approval of another university or college where they are regularly enrolled, or a UCF student temporarily in attendance at another university or college, with the approval of UCF. A UCF student may not be enrolled as a Transient student in another institution during the term in which the baccalaureate degree or the A.A. degree is to be awarded.

Limited Non-Degree Seeking:

A student earning credit, but not working on a degree program.

Provisional:

A student entering from a regionally unaccredited high school, college, or university may be admitted on provisional status where appropriate. By obtaining a minimum 2.0 GPA ("C" average) at the end of the first term of attendance, the provisional status will be removed. Earning less than a "C" (2.0) average the first term would result in disqualification.



Academic Honors

President's Honor Roll Certificate (Full-Time Award)

The President's Honor Roll Certificate (Full-Time Award) is awarded in recognition of scholastic honors to degree-seeking undergraduate students who maintain a 4.0 GPA, complete 12 or more hours, excluding satisfactory/unsatisfactory course work, and did not earn any "I," "U," "N," "NC" or "WF" grades during a given term.

President's Honor Roll Certificate (Part-Time Award)

The President's Honor Roll Certificate (Part-Time Award) is awarded in recognition of scholastic honors to degree-seeking undergraduate students who maintain a 4.0 GPA in two consecutive part-time terms. The student must complete at least 15 hours, with no more than 11 in each consecutive term, excluding satisfactory/unsatisfactory course work, and not earn any "I," "U," "N," "NC" or "WF" grades during a term. Hours utilized in the awarding of a President's Honor Roll Certificate may not be utilized in the determination of a subsequent certificate.

Dean's List

The Dean's List is compiled in recognition of scholastic honors to degree-seeking undergraduate students who earn a minimum 3.4 GPA, complete a minimum of 12 credit hours, earn no grade less than "C" (2.0) and no "I," "U," "N," "NC" or "WF" grades during a term.

Baccalaureate Honors and Diplomas

The University shall confer baccalaureate honors recognition on those students who have completed a minimum of 48 credit hours at UCF and who:

1. Attain an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;
2. Attain at least a 3.20 overall grade point average; and,
3. Honors awarded will be:
Summa Cum Laude for those students in the upper 2.5 percent
Magna Cum Laude for those students in the upper five percent, but not in the upper 2.5 percent
Cum Laude for those students in the upper 10 percent, but not in the upper five percent

Records for the term of graduation are incomplete at the time the *Commencement Program* is printed. Identification of these students at graduation therefore is presumptive of honors and not conclusive, since final term grades may result in changes in relative rankings.

Consult the Academic Honors list at <http://www.iroffice.ucf.edu/character/honorscutpoints.html> for the most up-to-date UCF Honors minimum GPA requirements.

Diplomas are mailed six to ten weeks after Commencement to the address indicated in the online "Intent to Graduate."

Honors in the Major

Please see "Honors in the Major" in the The Burnett Honors College portion of the *Undergraduate Catalog*.

Grade Forgiveness

Grade Forgiveness offers a student the opportunity to retake a course and earn a second grade that will be substituted for the previous grade. You may apply for Grade Forgiveness online at <https://my.ucf.edu> > Student Self Service > Student Center. Requests must be submitted no later than the **withdrawal deadline** for the term/session in which the student has registered for the course being repeated. Consult the web calendar at <http://www.registrar.ucf.edu/calendar/academic/>. The following policies apply:

1. Grade Forgiveness is limited to **two** courses;
2. Grade Forgiveness **may not** be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student's official transcript. The original course grade will be marked with a "T" to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an "R." The original grade **will** appear on the transcript but only the repeated course grade will be calculated into the GPA or meet degree requirements;
5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic with-

drawal from the course will be made. In addition, if the student is ineligible, the two grades will be averaged for the calculation of the GPA;

6. If a student applies for Grade Forgiveness and later withdraws, or receives an "I" grade or "NC" grade in the course, the attempt **will** count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;
7. UCF **does not** honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida College System institution or State University. Grade forgiveness awarded within a bachelor's degree from a Florida State System institution is not honored at UCF. UCF's Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida College System institution or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree **will not** be granted any Grade Forgiveness at UCF;
9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once; and,
11. With prior approval from the Dean's office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar's Office (MH 161).

Repeated Enrollment in Same Course: Beginning Fall 1997, a student enrolled in the same undergraduate college credit course more than twice shall pay matriculation at 100% of the full cost of instruction (Non-Florida Resident rates).

Academic Standing

All academic actions are shown on myUCF at <https://my.ucf.edu> and on the transcript. The action is generated due to course completion. Changing a course grade does not necessarily change academic action. An exception may be made when an error is committed and is so stated by the instructor on the "Change of Grade Request Form."

Good Standing

Good standing indicates only that the student is meeting the minimum academic standard for retention by the University (minimum term GPA, 2.0). To meet graduation requirements, however, the student must have a minimum UCF GPA of 2.0.

Academic Probation

Action taken when a student's UCF cumulative GPA drops below 2.0. Academic Probation will continue until the current term and UCF cumulative GPA reach 2.0 or better.

First-time-in-college students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Transfer students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Academic Probation is intended to inform students making unsatisfactory progress of their need to alter study habits and seek additional counseling. Early recognition will indicate to the student the possible jeopardy to academic goals and will also allow an opportunity to demonstrate acceptable performance.

Disqualified (First Suspension)

A student on Academic Probation is Disqualified upon failure to achieve a minimum 2.0 GPA during the subsequent term. A student who is Disqualified **may not** enroll at the University for two semesters following disqualification. Readmission after two semesters is **not** automatic. Disqualified students are required to have completed

Academic Regulations and Procedures

the Florida AA degree, or have completed UCF's general education program and Gordon Rule requirements, before petitioning for readmission. A Disqualified student must submit an application for Readmission supported by a letter documenting the reasons for previous academic difficulties, clear evidence of satisfactory academic performance since leaving the university, and plans for achieving a GPA of 2.0 or better. A disqualified student is limited to petition for readmission once per year (365 days). The total record will be reviewed and action on readmission will be taken by the University Registrar. **Any Disqualified student whose UCF grade point deficiency is equal to or greater than 30 grade points is not eligible for readmission.** For readmission purposes only, "grade point deficiency" is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0.

Exclusion (Second Suspension or more)

A student readmitted following Disqualification who fails to achieve a minimum 2.0 Term GPA is excluded from the University. Exclusion is most serious and **students are not eligible for readmission after Exclusion.** An individual who has been Excluded will not be considered for readmission, and may not appeal any failure to be readmitted following Exclusion.

Earning Credit While Disqualified

A student disqualified while a freshman or sophomore who subsequently receive an A.A. degree with a minimum "C" average (2.0 GPA) on all college work attempted from a Florida College System institution has the right to appeal for readmission, in accordance with standard University policies. However, readmission is not guaranteed, and the student seeking readmission will be required to follow all academic regulations and procedures associated with readmission after suspension.

Readmission

A student must apply for readmission to the Registrar's Office (MH 161) if:

1. the student has not enrolled at UCF for two consecutive semesters (not including the Summer term);
2. the student has been academically suspended from UCF;
3. the student failed to enroll or withdrew from all classes during the readmitted term; or,
4. the student has previously attended, or is currently enrolled at UCF, as "degree-seeking" and desires to pursue a second bachelor's degree.

The application deadline for readmission is as follows: for Summer, **April 1**; for Fall, **July 1**; and for Spring, **November 1**.

Readmission Following Non-Enrollment for Two Consecutive Semesters

The student must complete and submit the "Readmission Application Form," available at the Registrar's Office or online at <http://www.registrar.ucf.edu>. If the student has attended another regionally accredited institution since leaving UCF, the student must request an official transcript be sent to the Registrar's Office. If the student was previously admitted to a UCF limited-access program, the student will be placed in pending status for that major and must apply to the College for readmission to the program. Plus or minus grades will transfer for course work earned Fall 2001 and after using UCF's grade point system.

Readmitting students classified as a "Florida resident" during the last term at UCF who have resided outside of the State of Florida for one year may not be eligible for readmission as a Florida resident for tuition purposes. Students approved for readmission may be classified as a non-resident for tuition purposes and must submit documentation to the Registrar's Office establishing his or her eligibility for Florida residency for tuition purposes. For eligibility requirements, refer to 'Florida Residency for Tuition Purposes' within "Financial Information" of the *Undergraduate Catalog*.

Any readmitted student whose UCF GPA is less than 2.0 at the time of the last enrollment at the University will be readmitted on "Academic Probation."

All applicants seeking readmission who have attempted course work at another regionally accredited institution since last attending the University will be required to be in "Good Standing" (minimum 2.0 GPA) at the last institution attended with no allowance for grade

forgiveness and must be eligible to return to the last institution attended.

Readmission Following Suspension: Disqualification, with a Grade Point Deficiency of Less than 30 Grade Points

A student who has been academically Disqualified by UCF (with a grade point deficiency less than 30 grade points) who has completed the two term academic suspension period may petition for readmission by submitting the "Readmission Application Form" to the Registrar's Office. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0. A student's grade point deficiency is calculated when the student applies for readmission. The petitioning student must satisfy the following requirements before a decision will be made:

1. Submit a written statement indicating the reason for the previous academic difficulties and a plan for ensuring success in future terms:
 - a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student's UCF Personal Identification Number (PID).
 - b. A "Readmission Application Form" not accompanied by the required written statement **will not** be reviewed;
2. Contact the Registrar's Office for information specific to readmission following disqualification. Please note that a plan to complete the program of study from your intended major's department/school/college may be required as part of the readmission application packet. Until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student's current field of study and the field of study to which the student is seeking the change; and
3. Submit to the Registrar's Office official transcripts from all other schools attended during suspension (if applicable).

The Registrar's Office will review the readmission application **only** when it receives all of the documents listed above. A student denied readmission by the Registrar's Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See 'Right of Appeal' below for details. Disqualified students are limited to **one** readmission appeal during the disqualification period.

Readmission Prior to Completion of the Required Suspension

A student who has been academically Disqualified by UCF who has not completed the academic suspension period **is not eligible for readmission to the University.** Students may appeal for an exception to this policy to the Admissions and Standards Committee. See 'Right of Appeal' below for details. Disqualified students are limited to **one** readmission appeal during the disqualification period and **one** appeal per 12-month period following the disqualification period.

Readmission Following Suspension: Disqualification (with a Grade Point Deficiency of 30 or more Grade Points)

Students who are disqualified (with a grade point deficiency of 30 grade points or more) **are not eligible for readmission to the University.** The Registrar's Office will deny readmission to ineligible students. A student denied readmission by the Registrar's Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See 'Right of Appeal' below for details. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student's grade point deficiency is calculated when the student applies for readmission. A student must remain on readmission plan until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student's current field of study and the field of study to which the student is seeking the change.

Dropping or Withdrawing During Readmitted Term

Disqualified or excluded students who drop or withdraw from all courses during the readmitted term for whatever reason **must** apply for readmission.

Limitations on the Number of Readmission Appeals

Disqualified students are limited to **one** appeal for an exception to University policy to the Admissions and Standards Committee during the disqualification period and **one** appeal **per 12-month period** following the disqualification period.

Excluded students are not eligible to appeal for an exception to University policy to the Admissions and Standards Committee.

Non-Academic Admission Clearances

According to the Florida Board of Regents Rule 6C-6.001(2) "...If determined not to be in the best interest of the University to admit an applicant because of past misconduct the University may do so." This authorizes universities to refuse readmission to applicants due to past misconduct. The University further requires the Vice President of Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University shall be denied admission or readmission, or other academic and/or disciplinary action up to and including expulsion.

Appeal

There is no appeal of the University's decision not to admit or readmit a student based on past misconduct. According to the Florida Administrative Code 6C-6.001(4): "Applicants denied admission shall be given notice of the denial within a reasonable period of time following the decision. Upon the applicant's written request, the University shall provide the reasons for the rejection in writing."

Admissions and Standards Committee

The Admissions and Standards Committee is a reporting committee of the Faculty Senate. Its membership includes faculty and non-faculty representatives of the faculty Senate, several academic colleges, the Division of Student Development and Enrollment Services, and Student Government Association. The Admissions and Standards Committee meets regularly to consider appeals from: 1) persons denied admission; 2) students denied readmission; and 3) student appeals of University academic actions, policies or standards. All decisions rendered by the Admissions and Standards Committee are final. Decisions can only be appealed in the event new evidence or information has been determined by the Chair of the committee to be relevant and is subsequently approved for further committee review.

Right of Appeal

A student who has been denied readmission has thirty (30) days from the date of the denial to appeal to the Admission and Standards Committee. The appealing student must satisfy the following requirements before the Registrar's Office will forward the appeal to the Committee:

1. Complete the "Application for Readmission as an Exception to University Policy Form," available at the Registrar's Office (MH 161);
2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal.
 - a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student's UCF Personal Identification number (PID).
 - b. An "Application for Readmission as an Exception to University Policy" form not accompanied by the required written statement **will not** be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order **one** official copy of the UCF official transcript (**\$10 per copy**). The Registrar's Office will forward this transcript to the Admissions and Standards Committee;
6. Submit **ten** stapled packets of appellant materials to the Registrar's Office (MH 161) by 12:00 p.m. (noon) Monday prior to the sched-

uled Admissions and Standards Committee meeting. The packet **must** contain the following documents, arranged in the following order:

- a. A completed "Application for Readmission as an Exception to University Policy Form";
- b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;
- c. Any supporting documentation as directed by the college, school or other University personnel;
- d. Any additional supporting documentation (optional); and,
- e. Degree Audit (obtained from myUCF at <https://my.ucf.edu>).

After a thorough evaluation of both the appeal and all required supporting documentation, the Admissions and Standards Committee will render a decision. The decision of the committee will be based upon university readmission policy and information presented in the appeal. Decisions are final and there is no appeal beyond the committee. If a student feels there is new or missing evidence that was not available at the time of the original appeal, that may be submit to the Chair of the Admissions and Standards Committee for further consideration. Simply disagreeing with the committee's decision is not grounds for reconsideration.

Disqualified (with a Grade Point Deficiency of 30 or more Grade Points) and Excluded students are not eligible for readmission to the University and have no right to appeal for an exception to University policy to the Admissions and Standards Committee.

Academic Amnesty Program

Effective Fall 2004, the Academic Amnesty Program provides undergraduate students who are not eligible for readmission for academic reasons the opportunity to readmit to UCF after five or more years of separation. This program allows the student to nullify up to two consecutive terms worth of UCF coursework from his or her UCF grade point average. Students may not select specific courses within the two identified terms. If the student satisfactorily completes the Academic Amnesty Program, the University will remove from the student's UCF GPA all UCF coursework for which the student enrolled during the selected consecutive terms. While grades nullified by satisfactory completion of the Academic Amnesty Program are not used in calculating the student's UCF GPA, all course work will remain part of the student's permanent record.

To apply for entrance into the Academic Amnesty Program, the student must:

1. Gain the written support for the Academic Amnesty Program from the student's college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college advising office. This plan will include the following:
 - a. The specific terms of the student's academic history to be nullified by satisfactory completion of the Academic Amnesty Program;
 - b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program;
 - c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); and,
 - d. Complete and submit an Academic Amnesty Agreement to the Admission and Standards Committee.
2. The UCF Admissions and Standards Committee will determine a student's eligibility for entrance into the Academic Amnesty Program.

Athletic Eligibility and Retention Committee

The Athletic Eligibility and Retention Committee (AERC) has oversight of the athletic participation of students who engage in intercollegiate athletics. It relies on information gathered from the Office of Athletic Compliance, the Office of Academic Services for Student-Athletes, coaches and the individual student. Student-athletes who desire to continue their athletic participation while being on academic probation, must have the written support of their coach, complete a written document stating their methods and dedication to improve their level of academic achievement and the approval of the AERC. The committee shall review each applicant's academic potential and current status and determine conditions for the individual's degree of continued participation in intercollegiate athletic activities.

Academic Regulations and Procedures

Name Changes

To change the legal name maintained on the student's official UCF record, the student must submit a completed "Change of Name" form and supporting documentation to the appropriate UCF office. Attach to the form a copy of a legal name change document (e.g., marriage certificate, divorce decree, etc.). Undergraduate students must submit the form to the Registrar's Office (MH 161). Graduate students must submit the form to the Graduate Studies Office (MH 230). Current UCF employees and those students who have been UCF employees within 12 months of the date the name change is requested must submit the form to the Human Resources Office (12565 Research Parkway). The "Change of Name" form is available from the Registrar's Office at MH 161 or online at <http://www.registrar.ucf.edu>.

In addition to legal name changes, the University provides students the option for a Preferred Name. Students wishing to establish a preferred name option may accomplish this by submitting the Change of Name Form to the Registrar's Office.

Address and Email Changes

The student's address is initially obtained from the "Application for Admission or Readmission." It is the students' responsibility to make appropriate changes to the address online at myUCF **as they occur**. Address and email changes also can be made by writing the Registrar's Office, P.O. Box 160114, Orlando, FL 32816-0114 or fax to 407-823-5652. Written requests must be signed and the student identification number provided.

Transcript Requests

Requests for official transcripts are made online via myUCF (<https://my.ucf.edu>), through the Registrar's Office in person, or by mail. "Transcript Request Forms" are also available on the Registrar's Office website at http://www.registrar.ucf.edu/forms/transcript_request/. A student's academic record can be released **only** upon written authorization signed by the student. **Telephone and email requests are not accepted.** Transcripts **cannot** be released if the student is on Hold due to a financial obligation to the University. Transcript requests must include the student's signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all requested data are posted.

A \$10 per transcript charge is assessed for each transcript request. Payment for official transcripts is required **at the time of request** and may be satisfied by credit card, cash, check or money order (made payable to UCF), or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier's Office during that office's regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar's Office (MH 161). Mail written requests for transcripts to: Registrar's Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. Requests require at least 2 business days to process. Transcripts not claimed with 30 days of printing **will be discarded and must be reordered**. A \$10.00 per reordered transcript fee **must** be submitted with the reorder request. Grades are available from myUCF at <https://my.ucf.edu>.

Third Attempt Course Repeat Surcharges

All students enrolled in undergraduate courses for the Fall 1997 term and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. Completed courses, withdrawals, and courses with incomplete grades are counted as attempts, including courses repeated in order to raise the GPA or to achieve a specific grade. Courses that specify they may be repeated for credit are exempt. Students seeking exemptions for extenuating circumstances or financial hardship may submit a written petition with documentation to the Fee Appeals Committee, Student Account Services (MH 109).

Exemptions to the third attempt surcharge will be considered through a Fee Appeal Process.

Exceptions to the repeat course fee requirement shall be based only on extenuating circumstances, or financial hardship.

Extenuating Circumstances

Those circumstances determined by the University to be exceptional and beyond the control of the student. These may include, but not be limited to, the following:

1. Medical condition or serious illness preventing completion;
2. Death of an immediate family member;
3. Involuntary call to active duty; or,
4. Other emergency circumstances or extraordinary conditions.

Special Limitation: students who withdraw or fail a class due to extenuating circumstances may be granted an exemption only once for each class.

Financial Hardship:

Should include, but not be limited to, the following:

1. Qualification for federal need-based financial aid; or,
2. Other documented financial hardship may be considered.

For details, contact Student Account Services (MH 109) at 407-823-2433.

Major, Minor, Undergraduate Certificate Policies

Policy for Undeclared Students

All students at the University of Central Florida are expected to officially declare a major prior to earning 45 college credit hours (this includes credits earned from CLEP, Dual Enrollment, AP and IB). An administrative Hold to prevent future university registration will be placed on the records of all students that have not declared a major. Students must meet with an academic advisor (within Student Development and Enrollment Services, the Colleges, or Regional campuses) to have the hold released.

Majors

The University assigns the major that the student indicated on the "Application for Admission or Readmission." It is the student's responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an "Undeclared" or "Undecided" major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a "Pending" category to the equivalent major (e.g., "Business Pending" to "Accounting"). If the new major is a different subject from the "pending" major (e.g., "Business Pending" to "History"), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. If they have not interrupted residency, students entering UCF in an "Undeclared" or "Undecided" category may retain their Catalog when initially selecting a major. Students can change majors online at <https://my.ucf.edu> > Student Self Service > Student Center > other academic (drop down menu) > Change Major: Request. Follow the directions on that page.

Minors

A Minor is a complement to a bachelor's degree program/major requiring at least 18 credit hours in a field. A student may declare a minor **at any point during the first term of enrollment up to but no later than the online submission of the online "Intent to Graduate Form."** Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from a single UCF *Undergraduate Catalog* for which a student is eligible. Minors must be certified at the same time as the student's baccalaureate degree. Unless a second degree is earned, certification will not be made at a later time even if additional courses have been completed. Students can declare, change, or drop minors online at <https://my.ucf.edu> > Student Self Service > Student Center > other academic (drop down menu) > Change Major: Request. Follow the directions on that page.

Undergraduate Certificates

An undergraduate Certificate is a supplement to the bachelor's degree program/major. Certificates are optional. Students must be admitted in a degree seeking program to be eligible to receive an undergraduate

Certificate, and a Certificate will only be granted together with completion of a UCF baccalaureate degree. All graduation requirements (i.e. the certificate and major/minor) must be from the same UCF Undergraduate Catalog for which a student is eligible. Certificates can be declared or changed online at <https://my.ucf.edu>.

Student Records

Student records submitted become the property of the University and cannot be returned to the student or released to a third party. Copies of student records will be released only upon receipt of a written request signed by the student. Student records are stored in paper form or are digitally scanned. Once the student has been absent from the University for three academic years, all records may be transferred to optical disk storage and the paper copies destroyed.

Family Educational Rights and Privacy Act (FERPA)

The procedures for protecting the confidentiality of student records are based on state regulations and the federal **Family Educational Rights and Privacy Act of 1974**. FERPA affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 30 days of the day the University receives a written request for access. Students should submit to the University Registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they desire to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed;
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. The student may ask the University to amend a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing;
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such

as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility; and

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by a State University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington DC, 20202-4605

Directory Information

FERPA authorizes the University to classify certain information concerning students as "directory information," which means that it may be released to anyone upon request. Directory information at UCF includes:

- name
- current mailing address
- telephone number
- date of birth
- major field of study
- dates of attendance
- enrollment status
- degrees and awards received
- participation in officially registered activities and sports
- athletes' height and weight

The University extends to students the opportunity to withhold even directory information from disclosure, by opting out of the University's directory information policy. Students can do this online at <https://my.ucf.edu> > Student Self Service > Student Center > Personal Information > FERPA/Directory Restriction or complete the Directory Disclosure/Release Authorization form available at the Registrar's Office (MH 161) or at <http://www.registrar.sdes.ucf.edu>, requesting that this information be withheld.

Other Disclosures:

FERPA also authorizes the University to forward educational records to other agencies or institutions that have requested the records AND in which the student seeks or intends to enroll or is already enrolled so long as the disclosure is for purposes related to the student's enrollment or transfer.

All other disclosures of education records and information will be made in accordance with FERPA. In most cases, but not all, this requires the student's prior written and signed consent. The Golden Rule outlines the University procedures for confidentiality. For additional information describing FERPA policy, enter the Department of Education Family Policy Compliance Office website at <http://www.ed.gov/offices/OM/fpc/>.

Higher Education Act

Lists, descriptions, and sources of information required for disclosure under the Higher Education Act may be obtained from the Registrar's Office (MH 161) or from <http://www.registrar.ucf.edu/heal/>.



Academic Regulations and Procedures

Accelerated Educational Opportunities

The University of Central Florida provides a number of options by which students may shorten the time required to complete the baccalaureate degree. These options permit the University to recognize high levels of academic achievement and acquisition of knowledge prior to or during attendance at the University. Procedures that may be used include the Advanced Placement Program (AP), the College Level Examination Program (CLEP), University Course Credit by Examination, DANTES, and the International Baccalaureate. A maximum of 45 credit hours in any combination of extension, AP, IB, correspondence, CLEP, Armed Forces Service School Credits, and University Credit by Examination will be accepted by the University for application toward an undergraduate degree. In addition, there are accelerated Undergraduate - Graduate Programs linking the bachelor's and Master's degree listed in the *Undergraduate Catalog*.

Test credit is applied according to the published policy at the time the credit is received and posted by the University.

Advanced Placement Program (AP) (see table below)

Students who have participated in the Advanced Placement Program in high school and have received a score of 3, 4, or 5 on the national examinations will receive college credit in the appropriate subject areas. Students should consult their high school guidance counselor or write to the Educational Testing Service, Princeton, NJ 08540, for additional information. The table labeled "Advanced Placement Exams" provides information related to Advanced Placement examination areas and subject areas for which credit may be awarded.

Advanced Placement Language (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 2200) of 2000-level language. A score of 4 or 5 earns a minimum of two semesters (min. 6 credits XXX 2230 and 2231 or XXX 2200 and 2201) of 2000-level language. No literature credit will be awarded for AP foreign language exams.

Advanced Placement Literature (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits) of introductory literature. A score of 4 or higher earns a minimum of two semesters (min. 6 credits) of introductory literature.

Advanced Placement Latin

The AP Latin course focuses on one or two authors. Students either study Vergil, or follow a "Latin Literature" syllabus that includes Catullus and either Horace, Ovid, or Cicero. A minimum of one semester (min. 3 credits) should be awarded for a score of 3 or higher.

AP Latin: Vergil LNW 2321

AP Latin: Latin Literature LNW 3700 (number unique to exam)

International Baccalaureate Program (see table on next page)

Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit for scores of four or higher in the subsidiary and higher level program areas. The table below labeled "International Baccalaureate" provides information related to the International Baccalaureate program credit.

ADVANCED PLACEMENT (AP)

Exam	Score of 3	GEP Usage	Score of 4	Score of 5	GEP Usage
Art History	ARH 1000		ARH 2050 and 2051	Same as 4	CUL & HIS Found 2
Biology	BSC 1005/1005L	SCI Found 2	BSC 2010C	BSC 2010C and BSC 2011C	SCI Found 2
Calculus AB	MAC 2311	MAT Found 1	Same as 3	Same as 3	MAT Found 1
Calculus BC*	MAC 2311	MAT Found 1	MAC 2311 and 2312	Same as 4	MAT Found 1
Chemistry	CHM 1020 & 1020L	SCI Found 1	CHM 2045C or CHM 2045 and 2045L	CHM 2045C and CHM 2046 & 2046L	SCI Found 1
Chinese Language & Culture	CHI 2200		CHI 2200 and 2201	Same as 4	
Computer Science A	CGS 1075	MAT Found 2	Same as 3	Same as 3	MAT Found 2
Computer Science AB	CGS 1076	MAT Found 2	Same as 3	Same as 3	MAT Found 2
Economics: Macro	ECO 2013	SOC Found 1	Same as 3	Same as 3	SOC Found 1
Economics: Micro	ECO 2023	SOC Found 1	Same as 3	Same as 3	SOC Found 1
English Language and Composition	ENC 1101	COM Found 1	ENC 1101 and 1102	Same as 4	COM Found 1 and 2
English Literature and Composition	ENC 1101	COM Found 1	ENC 1101 and LIT 1005#	Same as 4	COM Found 1 and 2 or COM Found 1 and CUL and HIST Found 2
Environmental Science	ISC 1051	SCI Found 2	Same as 3	Same as 3	SCI Found 2
European History	EUH 1009		EUH 2000 and 2001	Same as 4	CUL and HIS Found 1 and 3
French Language	FRE 2200		FRE 2200 and 2201	Same as 4	
French Literature	FRW 3100		FRW 3100 and 3101	Same as 4	
German Language	GER 2200		GER 2200 and 2201	Same as 4	
Government and Politics: Comparative	CPO 1002		Same as 3	Same as 3	
Government and Politics: United States	POS 2041	SOC Found 1	Same as 3	Same as 3	SOC Found 1
Human Geography	GEO 2400		Same as 3	Same as 3	
Italian Language & Culture	ITA 2200		ITA 2200 and 2201		
Japanese Language & Culture	JPN 2200		JPN 2200 and 2201		
Latin: Literature	LNW 3700		Same as 3	Same as 3	
Latin: Vergil	LNW 2321		Same as 3	Same as 3	
Music Theory	MUT 1001 if composite score is 3 or higher MUT 1111 and MUT 1241 if both aural and non-aural subscores are 3 or higher		Same as 3	Same as 3	
Physics B	PHY 2053C	SCI Found 1	PHY 2053C and 2054C	Same as 4	SCI Found 1
Physics C: Electricity/Magnetism	PHY 2054C	SCI Found 1	PHY 2049C	Same as 4	SCI Found 1
Physics C: Mechanics	PHY 2053C	SCI Found 1	PHY 2048C	Same as 4	SCI Found 1
Psychology	PSY 2012	SOC Found 2	Same as 3	Same as 3	SOC Found 2
Russian Language & Culture	RUS 2230		RUS 2230 and 2231	Same as 4	
Spanish Language	SPN 2230		SPN 2230 and 2231	Same as 4	
Spanish Literature	SPW 3100		SPW 3100 and 3201	Same as 3	
Statistics	STA 2023	MAT Found 2	Same as 3	Same as 3	MAT Found 2
Studio Art: Drawing Portfolio	ART 2300C		Same as 3	Same as 3	
Studio Art: 2-D Design Portfolio	ART 2201C		Same as 3	Same as 3	
Studio Art: 3-D Design Portfolio	ART 2203C		Same as 3	Same as 3	
United States History	AMH 1000		AMH 2010 and 2020	Same as 4	CUL & HIS Found 1 & 3
World History	WOH 2022	CUL & HIS Found 1	Same as 3	Same as 3	CUL & HIS Found 1

*The AB subscore on the Calculus BC exam is regarded the same as a Calculus AB score.

#If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1005.



Academic Regulations And Procedures

International Baccalaureate (all modern languages)

International Baccalaureate offers examinations in many languages and literatures at different levels: B, A2, and A1. Most students in Florida take English as their A1 level language (literature for native or near-native speakers) and one or more foreign Language B exams. Within each category, there are "standard" and "higher" level examina-

tions. Institutions may wish to award additional credit for higher-level exams.

Language B (most common)

Students earn a minimum of one semester (3 credits) of language credit at the Elementary Language II or equivalent level (usually 1121C) level for a score of 4. Students who score 5-7 earn a mini-

INTERNATIONAL BACCALAUREATE

Exam	Score of 4	GEP Usage	Score 5-7	GEP Usage
Biology	BSC 1005/1005L	SCI Found 2	BSC 1005/1005L and BSC 2010C	SCI Found 2
Business Management	GEB 2011		GEB 2011 and 2905	
Chemistry	CHM 1020 and 1020L	SCI Found 1	CHM 1020/1020L and CHM 2045C	SCI Found 1
Computer Science	CGS 1078	MAT Found 2	CGS 1078 and 1906	MAT Found 2
Design Technology	ETI 1410		ETI 1410 and 1906	
Economics	ECO 1000		ECO 2013 and 2023	SOC Found 1
Ecosystems and Societies	EVR 1017		EVR 1017 and 1906	
English A1	ENC 1101	COM Found 1	ENC 1101 and 1102	COM Found 1 and 2
Environmental Systems	ISC 1050	SCI Found 2	ISC 1050 and 1906	SCI Found 2
Film Studies	FIL 1001	CUL and HIS Found 2	FIL 1001 and 1002	CUL and HIS Found 2
French	FRE 1121		FRE 1121C and 2200	
Further Mathematics (Advanced Mathematics)	MHF 1202	MAT Found 1	MHF 1202 and 1209	MAT Found 1
Geography	GEA 1000		GEO 1200 and 1400	SCI Found 2
German	GER 1121		GER 1121C and 2200	SCI Found 2
History	WOH 1030	CUL & HIS Found 1	WOH 1030 and WOH 1999	CUL & HIS Found 1
Information & Information Technology for a Global Society	IDS 1906 (3 credits)		IDS 1906 (6 credits)	
Islamic History	ASH 1906 (3 credits)		ASH 1906 (6 credits)	
Latin	LAT 2230		LAT 2230 and 1906	
Marine Science	BSC 2311/2311L (3 credits)		Same as 4 (min of 6 credits)	
Math Methods	MAC 1105	MAT Found 1	MAC 1105 and 1140	MAT Found 1
Math Studies	MAT 1033		MAT 1033 and MGF 1106	MAT Found 1
Mathematics	MAC 1147	MAT Found 1	MAC 1147 and 2233	MAT Found 1
Music	MUL 2010	CUL & HIS Found 2	MUL 2010 and HUM 1906	CUL & HIS Found 2
Philosophy	PHI 2010	CUL & HIS Found 2	PHI 2010 and 1906	CUL & HIS Found 2
Physics	PHY 1020C	SCI Found 1	PHY 2053C and 2054C	SCI Found 1
Psychology	PSY 2012	SOC Found 2	PSY 2012 and 1906	SOC Found 2
Social Anthropology*	ANT 2410	SOC Found 2	ANT 2410 and 1906	SOC Found 2
Spanish	SPN 1121		SPN 1121 and 2230	
Theatre Arts	THE 2000	CUL & HIS Found 2	THE 2000 and 1906	CUL & HIS Found 2
Visual Arts	ART 1012		ART 1012 and 1906	

*This use for General Education applies only to I.B. credit.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

	Scale Score of 50 for passing	GEP Usage	Comments
Accounting, Financial	ACG 1001		
Accounting, Principles of	ACG 1001		
Algebra, College	MAC 1105	MAT Found 1	
Algebra-Trigonometry, College	MAC 2147	MAT Found 1	
American Government	POS 2041	SOC Found 1	
American Literature	AML 1000	CUL & HIS Found 2	
Biology, General	BSC 1005	SCI Found 2	
Business Law, Introduction to	BUL 1241		
Calculus	MAC 2233	MAT Found 1	
Chemistry, General	CHM 1020	SCI Found 1	
College Composition	ENC 1101 and ENC 1102		
Educational Psychology, Introduction to	EDP 1002		
English Composition with Essay	ENC 1101	COM Found 1	
English Literature	ENL 1000	CUL & HIS Found 2	
French Language	FRE 1120C		Score of 59 or higher earns FRE 1120C and 1121C
German Language	GER 1120C		Score of 60 or higher earns GER 1120C and 1121C
History of the United States I: Early Colonizations to 1877	AMH 2010	CUL & HIS Found 1 or 3	
History of the United States II: 1865 to Present	AMH 2020	CUL & HIS Found 1 or 3	
Human Growth and Development	DEP 2004		
Humanities	HUM 2250		
Information Systems and Computer Applications	CGS 1077	MAT Found 2	
Macroeconomics, Principles of	ECO 2013	SOC Found 1	
Management, Principles of	MAN 2021		
Marketing, Principles of	MAR 2011		
Mathematics, College	MGF 1106	MAT Found 1	
Microeconomics, Principles of	ECO 2023	SOC Found 1	
Precalculus	MAC 1140	MAT Found 1	
Psychology, Introductory	PSY 2012	SOC Found 2	
Sociology, Introductory	SYG 2000	SOC Found 2	
Spanish Language	SPN 1120C		Score of 63 or higher earns SPN 1120C and 1121C
Trigonometry	MAC 1114	MAT Found 1	
Western Civilization I: Ancient Near East to 1648	EUH 2000	CUL & HIS Found 1 or 3	
Western Civilization II: 1648 to Present	EUH 2001	CUL & HIS Found 1 or 3	



Academic Regulations and Procedures

minimum of two semesters (min. 6 credits) of Elementary Language II and Intermediate Language I or their equivalents (usually 1121C/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

Language A2 (language and literature courses for highly proficient speakers; uncommon in Florida)

No direct equivalent. Content of Language A2 varies widely. Minimum 3 credits language or literature for score of 4, 6 credits of language or literature for a score of 5-7.

Language A1 (literature courses for native speakers; languages other than English)

No direct equivalent. Content of Language A1 varies widely. Minimum 3 credits in literature for score of 4, 6 credits for score of 5-7.

IB Latin

LNW 3700. This is a unique number assigned to this exam. The IB Latin course includes a reading component and a selection of two out of four authors on a list that changes periodically. Minimum 3 credits for score of 4, 6 credits for score of 5-7 (all exams for diploma holders, higher level exams only for others).

College Level Examination Program (CLEP) (see table on previous page)

Credit is awarded for scaled scores of 50 or higher on computer-based CLEP exams taken after July 1, 2001. A percentile score of 50 or higher is required on CLEP examinations taken prior to July 1, 2001. CLEP credit may be earned by CLEP subject examinations. Successful completion of CLEP examinations means performance at or above the minimum qualifying score. CLEP credit cannot be used to reduce a grade point deficiency. For example, CLEP cannot be substituted for a grade awarded for a previously completed course. CLEP may not be used to fulfill the senior institution requirements.

Awarding of CLEP credit is subject to the conditions listed below.

- Credit may be awarded in the CLEP subject examination area, provided the student: a) is not within 60 credit hours of graduation; b) has not previously received comparable college course credit in the CLEP examination area; c) does not receive comparable college credit in the CLEP examination area in the same term the examination is taken or in a subsequent term; d) has not previously completed, failed, nor received credit by UCF (transfer or otherwise) in a more advanced course in the examination area; and e) does not complete nor receive credit by UCF (transfer or

CAMBRIDGE AICE EXAMS

Exams	Passing score of "A", "B", "C", "D" or "E"	GEP Usage
Accounting (AS-Level)	ACG 1001	
Accounting (A-Level)	ACG 1001 and ACG 1906	
Art and Design (AS-Level)	ART 1906	
Art and Design (A-Level)	ART 1906 and ART 1907	
Biology (AS-Level)	BSC 1005/1005L	SCI Found 2
Biology (A-Level)	BSC 2010C and BSC 1906	SCI Found 2
Business Studies (AS-Level)	GEB 2011	
Business Studies (A-Level)	GEB 2011 and GEB 2905	
Chemistry (AS-Level)	CHM 1020/1020L	SCI Found 1
Classical Studies (AS-Level)	CLA 1010	
Chemistry (A-Level)	CHM 1020C and CHM 2045C	SCI Found 1
Computing (AS-Level)	CGS 1073	MAT Found 2
Computing (A-Level)	CGS 1073 and CGS 1074	MAT Found 2
Design & Technology (AS-Level)	ETI 1482C	
Design & Technology (A-Level)	ETI 1482C and ETI 1906	
Economics (AS-Level)	ECO 1000	
Economics (A-Level)	ECO 2013 and ECO 2023	SOC Found 1
English - English Language (AS-Level)	ENC 1101	COM Found 1
English - Language & Literature in English (AS-Level)	ENC 1101	COM Found 1
English - Literature in English (AS-Level)*	ENC 1101 or ENC 1102	COM Found 1 or COM Found 2
English - Literature in English (A-Level)#	ENC 1101 and ENC 1102	COM Found 1 and 2 or COM Found 1 and CUL and HIST Found 2
Environmental Management (AS-Level)	EVR 1001C	SCI Found 2
French Language (AS-Level)	FRE 1121	
French (A-Level)	FRE 1121 and FRE 2200	
French Literature (AS-Level)	FRW 3100	
Further Mathematics (A-Level)	MAC 2311 and MAC 2312	MAT Found 1
General Paper	IDS 1110	
Geography (AS-Level)	GEA 1000	
Geography (A-Level)	GEO 1200 and GEO 1400	SCI Found 2
German Language (AS-Level)	GER 1121	
German (A-Level)	GER 1121 and GER 2200	
History - The History of the USA, c. 1840-1968	AMH 2042	
History - Modern European History, 1789-1939	EUH 2031	
History - International History, 1945-1991	WOH 2040	
Latin (AS-Level)	LAT 1121C	
Marine Science (AS-Level)	OCE 1001	
Marine Science (A-Level)	OCE 1001 and OCB 1000	
Mathematics (AS-Level)	MAC 1147	MAT Found 1
Mathematics (A-Level)	MAC 2311 and MAC 1906	MAT Found 1
Music (AS-Level)	MUH 1001	
Music (A-Level)	MUH 1001 and 2011	
Physics (AS-Level)	PHY 1020C	SCI Found 1
Physics (A-Level)	PHY 2053C and 2054C	SCI Found 1
Psychology (AS-Level)	PSY 2012	SOC Found 2
Psychology (A-Level)	PSY 2012 and PSY 1906	SOC Found 2
Sociology (A-Level)	SYG 2000	SOC Found 2
Spanish Language (AS-Level)	SPN 1121	
Spanish (A-Level)	SPN 2230 and SPN 2231	
Spanish Literature (AS-Level)	SPW 3100	
Thinking Skills (AS-Level)	PHI 1103	
Thinking Skills (A-Level)	PHI 1103 and 1906	
Travel and Tourism (AS-Level)	HFT 1000	
Travel and Tourism (A-Level)	HFT 1000 and 1906	
*If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102.		
#If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102 and LIT 2100.		



otherwise) in a more advanced course during the term in which the CLEP examination is taken.

The table labeled "College Level Examination Program" provides information related to the CLEP examination areas and subtest areas for which credit may be awarded. In addition, this table delineates the minimum qualifying score and the UCF course for which each examination can substitute.

CLEP Language Examinations

A score of 50 on any of the language exams earns a minimum of one semester (4 credits) of Elementary Language I or equivalent level (generally numbered 1120). A score at or above the second CLEP threshold level (currently 59 for French, 60 for German, or 63 for Spanish) earns a minimum of two semesters (8 credits) of Elementary Language I and II or equivalent level (generally numbered 1120C-1121C). No literature credit should be awarded for CLEP foreign language exams.

Credit by Examination

Regularly enrolled (excludes transient and non-degree) undergraduate students at the University of Central Florida may obtain credit for specific University courses through departmental examinations. A student who believes he or she has acquired the knowledge and/or skills of a specific University course should consult his or her advisor and the chair of the department in which the course is offered to arrange for an examination. Degree credit will be awarded for those courses successfully completed by departmental examination. Credit by

examination may not be used to reduce the 30 credit hours residency requirement. Credit by examination will not be given for any course lower in content than courses in the same discipline in which students are currently enrolled or which they have already completed or failed. Permission to take an examination is approved by the chair of the department and the dean of the college in which the course is offered.

Cambridge AICE Exams (see table on previous page)

The Advanced International Certificate of Education (AICE) program is an international, advanced secondary curriculum and assessment program equivalent to the British system of "A-Levels." Information about the program, including course syllabi, can be found online at <http://www.cie.org.uk/qualifications/academic/uppersec/alevel>.

DANTES Examination Credit (see table below)

The University will award credit to students presenting qualifying scores in DANTES examinations. The table labeled "DANTES Subject Standardized Tests (DSST)" provides information related to the Dantes Examination credit. For additional information: <http://www.getcollegedcredit.com>.

Excelsior College Examinations (see table below)

The table labeled "Excelsior College Examinations" provides information related to the Excelsior examination areas and subtest areas for which credit is awarded. More detailed information about Excelsior College Examinations, including detailed test descriptions, can be found online at <http://www.excelsior.edu>.

DANTES SUBJECT STANDARDIZED TESTS (DSST)

Exam	Course Number	GEP Usage	Passing Grade Credit	Passing Score 2008 Revised Exams
Art of the Western World	ARH 2000		48	
Astronomy	AST 2002		48	
Business Law II	BUL 2242		44	
Business Math	QMB 1001		48	
Criminal Justice	CCJ 1000		49	400
Environment and Humanity	EVR 1017		46	
Ethics in America	PHI1630		46	400
Foundations of Education	EDF 1002		46	
Fundamentals of College Algebra	MAT 1033		47	400
Fundamentals of Counseling	PCO 1202		45	
General Anthropology	ANT 2000	SOC Found 2	47	
Here's to Your Health	HSC 1100		48	400
History of the Vietnam War	AMH 2059		44	
Human Resources Management	MAN 1300		46	
Human/Cultural Geography	GEO 1400		48	
Intro to Computing	CGS 1060	MAT Found 2	45	400
Intro to the Modern Middle East	ASH 2044		47	
Intro to World Religions	REL 2300	CUL and HIST Found 2	48	400
Introduction to Business	GEB 2011		46	
Introduction to Law Enforcement	CCJ 1100		45	
Lifespan Developmental Psychology	DEP 2004		46	
Management Information Systems	ISM 1000		46	400
Money and Banking	BAN 1501		48	
Organizational Behavior	INP 1002		48	
Personal Finance	FIN 1100		46	400
Physical Geology	GLY 1000	SCI Found 2	46	
Principles of Finance	FIN 1000		46	
Principles of Financial Accounting	ACG 1001		47	
Principles of Physical Science I	PSC 1121	SCI Found 1	47	
Principles of Public Speaking	SPC 1600	COM Found 3	47	
Principles of Statistics	STA 2014	MAT Found 2	48	400
Principles of Supervision	MNA 1345		46	
Rise and Fall of the Soviet Union	EUH 1066		45	
Substance Abuse	HSC 2140			400
Technical Writing	ENC 2210		46	
The Civil War and Reconstruction	AMH 1056		47	

EXCELSIOR COLLEGE EXAMINATIONS TABLE

Exam Title	Course Number (3 credits per course)	GEP Usage	Passing Grade Credit
Abnormal Psychology	CLP 1140		45
English Composition	ENC 1101	COM Found 1	40
Ethics: Theory and Practice	PHI 1630		46
Foundations of Gerontology	GEY 1000		46
Human Resources Management	MAN 1300		44
Life Span Developmental Psychology	DEP 2004		45
Microbiology	MCB 1000		45
Psychology of Adulthood and Aging	DEP 1401		45

UNDERGRADUATE DEGREE REQUIREMENTS

Requirements for Graduation

Students must fulfill both the requirements for a major and University requirements to receive a bachelor's degree from the University of Central Florida. The student must:

- Fulfill the requirements for the chosen major;
- Earn a minimum of 120 unduplicated credit hours with at least a "C" average (2.0 GPA) for all UCF course work attempted. Some majors require more than 120 hours;
- Earn at least 48 of these 120 credit hours in 3000-level courses or above (upper-division);
- Earn a minimum of 30 of their last 39 hours in regular courses at UCF. Credit by Examination may not be used to satisfy this requirement;
- Earn a minimum of 25% of the total hours required for the degree in residence at UCF. For programs that require the minimum of 120 total hours, residency will be 30 hours. For programs that exceed 120 hours, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;
- Earn a minimum of 60 credit hours after CLEP credit has been awarded;
- Apply no more than 45 credit hours in any combination of extension, correspondence, CLEP, University Credit by Examination and Armed Forces credits toward an undergraduate degree;
- Fulfill the General Education Program requirements;
- Fulfill the Gordon Rule requirements;
- Fulfill the Foreign Language requirements as defined elsewhere in this section;
- Earn a minimum of nine credit hours during Summer terms, if applicable; and,
- Be registered at UCF during the semester of graduation.

Degrees Awarded Posthumously

Students will be considered for posthumous degrees by the Commencement and Convocations Committee if they are in good academic standing at the time of their death, have a 2.0 GPA or better and are within at least 15 credit hours of completion of all requirements or are in the final term of completion of all their requirements.

Choice of Catalog (Catalog Year) and Continuous Enrollment

A student must graduate under the provisions of any UCF *Undergraduate Catalog* in effect since the student began continuous enrollment at UCF. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida College System institutions or state universities may use the UCF *Undergraduate Catalog* in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

Continuous enrollment is defined as being enrolled in classes without a break of two or more consecutive regular semesters/terms (i.e., Fall and Spring, or Spring, Summer, and Fall). Continuous enrollment is automatically broken when a student moves from one transfer institution to another following academic disqualification or exclusion.

Students who change majors between different colleges must adopt the most current Catalog. Additional information is included in the program descriptions. Students pursuing a single degree (including double majors and/or minors) must use a single catalog and cannot use a combination of catalogs for graduation. In cases when required courses are no longer taught by the University, the appropriate department, college, or Academic Services (MH 210) may designate a reasonable substitute. If a student desires to change the catalog for graduation, the student should first discuss with the advisors how such a change would affect University, college, and major requirements. If a student decides to request a change, he or she must submit a "Catalog Year Change Request Form" to the Registrar's Office (MH 161). This form is available at the Registrar's Office or online at <http://www.registrar.ucf.edu>.

General Education Program (GEP)

The purposes of the UCF General Education Program (GEP) are to introduce students to a broad range of human knowledge and intellectual pursuits, to equip them with the analytic and expressive skills required to engage in those pursuits, to develop their ability to think critically, and to prepare them for life-long learning. The GEP

curriculum provides students with the intellectual, ethical, and aesthetic foundations necessary to make informed choices; to accept the responsibilities of working and living in a rapidly changing world; and to lead a productive and satisfying life.

Courses that fulfill the General Education Program requirements are specified, but in some cases an alternate course in the same discipline may be substituted for GEP requirements. These alternate courses, approved by the Faculty Senate Undergraduate Common Program Oversight Committee, are listed in the section identified as "Alternate Courses: General Education Program." Students should consult with an advisor before enrolling in an alternate course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate "General Education Requirements Met" upon written request, if they have completed UCF's GEP requirements with a GPA of 2.0 or better. UCF will accept a similar statement on transcripts received from Florida College System institutions and universities in lieu of completion of the University's General Education Program. Students enrolled in courses that use the "NC" grade must earn a grade of "C-" (1.75) or better.

General Education Program Learning Objectives

Communications Foundation

- Demonstrate the ability to analyze the situational characteristics of a communication act: audience, purpose, and source/author.
- Demonstrate the ability to understand communication and speaking skills.
- Demonstrate the ability to write in a clear, logical and appropriate manner.
- Demonstrate the ability to research academic topics and present the synthesis of that research: 1) in speech with appropriate citations; and 2) in texts with correct documentation.
- Demonstrate an awareness of diversity in American society.

Cultural and Historical Foundation

- Be able to gather, synthesize, and analyze information from appropriate resources and be able to critically evaluate information and sources for accuracy and credibility.
- Identify and deepen appreciation of common human themes and the richness of diverse cultures.
- Be able to analyze and discuss meaning of an artwork, performance, or text in diverse aesthetic, historical and cultural contexts.
- Demonstrate knowledge and critical thinking of the concepts, styles, and aesthetic, theoretical, and critical principals in an art.
- Demonstrate knowledge of the chronology and significance of major events and movements in western civilization, U.S. history or world civilization.

Mathematical Foundation

- Demonstrate the skills needed to solve quantitative problems including choosing the proper technique and/or technology.
- Be able to solve real-world quantitative problems.
- Demonstrate qualitative understanding of mathematical, statistical, and computing concepts.
- Demonstrate knowledge and understanding of essential computing concepts common to academic degrees and their related professions.
- Demonstrate essential computing skills common to academic degrees and their related professions, and in particular, skills relating to professional use of computers and application software.

Social Foundation

- Be able to gather and synthesize information from appropriate resources, and be able to evaluate information and sources for accuracy and credibility.
- Understand how an individual's place in the world is affected by social, economic, and political institutions.
- Gain a deeper appreciation of one's role and potential impact in social, economic, and political institutions.
- Demonstrate an understanding of the interaction among social, economic, and political structures and functions.
- Understand how individuals behave and interact with other individuals in their psychological, political, economic and social environments.

Science Foundation

- Demonstrate an understanding of science as an empirical attempt to acquire information about the real world, develop possible explanations of these phenomena, and test the explanations by predicting the outcome of future observations.



General Education Program (GEP) Courses (36 credit hours required)

(Some majors require a specific course or a higher level course in some areas.
Consult your major requirements and advisor.)

Satisfactorily complete one course in each of the twelve numbered areas. 36 hours
A. Communication Foundation 9 hours

1. ENC 1101	Composition I ^{1, 2}	3(3,0)
2. ENC 1102	Composition II PR: ENC 1101 ^{1, 2}	3(3,0)
3. SPC 1608	Fundamentals of Oral Communication	3(3,0)
SPC 1603	Fundamentals of Technical Presentations	3(3,0)
COM 1000	Introduction to Communication	3(3,0)

B. Cultural and Historical Foundation 9 hours

1. EUH 2000	Western Civilization I ²	3(3,0)
EUH 2001	Western Civilization II ²	3(3,0)
HUM 2210	Humanistic Tradition I ²	3(3,0)
HUM 2230	Humanistic Tradition II	3(3,0)
AMH 2010	U.S. History: 1492-1877 ²	3(3,0)
AMH 2020	U.S. History: 1877-present ²	3(3,0)
WOH 2012	World Civilization I ²	3(3,0)
WOH 2022	World Civilization II ²	3(3,0)
2. ARH 2050	History of Western Art I	3(3,0)
ARH 2051	History of Western Art II	3(3,0)
MUL 2010	Enjoyment of Music	3(3,0)
THE 2000	Theatre Survey	3(3,0)
FIL 1000	Cinema Survey	3(3,0)
REL 2300	World Religions	3(3,0)
PHI 2010	Introduction to Philosophy	3(3,0)
LIT 2110	World Literature I PR: ENC 1102 ²	3(3,0)
LIT 2120	World Literature II PR: ENC 1102 ²	3(3,0)

3. Take one additional course from either B1 or B2.

C. Mathematical Foundation 6 hours

1. MAC 1105C	College Algebra ²	3(3,0)
MGF 1106	Finite Mathematics ²	3(3,0)
2. CGS 1060C	Introduction to Computer Science ²	3(3,0)
STA 1063C	Basic Statistics using Microsoft Excel ²	3(3,0)
STA 2014C	Principles of Statistics ²	3(3,0)

D. Social Foundation 6 hours

1. ECO 2013	Principles of Macroeconomics	3(3,0)
ECO 2023	Principles of Microeconomics	3(3,0)
POS 2041	American National Government	3(3,0)
2. PSY 2012	General Psychology	3(3,0)
SYG 2000	Introduction to Sociology	3(3,0)
ANT 2000	General Anthropology	3(3,0)

E. Science Foundation 6 hours

1. AST 2002	Astronomy PR: High School Algebra or MAC 1105C	3(3,0)
PSC 1121*	Physical Science PR: High School Algebra or MAC1105C	3(3,0)
PHY 2053C	College Physics I: MAC 1105C and MAC 1114C	4(3,3)
CHM 1020	Concepts in Chemistry PR: High School Algebra	3(3,0)
2. BSC 1005*	Biological Principles	3(3,0)
BSC 1050*	Biology and Environment	3(3,0)
GLY 1030	Geology and its Applications	3(3,0)
GEO 1200*	Physical Geography	3(3,0)
ANT 2511	The Human Species	3(3,0)
MCB 1310	Intro to Biotechnology and Genetic Engineering	3(3,0)

*A one credit laboratory is also available for this course.

¹A grade of "C-" (1.75) or better is required in this course.

²A grade of "C-" (1.75) or better satisfies three hours of the Gordon Rule requirement.

- Demonstrate an ability to assess the extent to which claims presented as "scientific" satisfy the empirical character of scientific explanations.
- Demonstrate understanding of scientific knowledge and problem solving in a physical or life science.

Substitution of Courses: General Education Program and Other Requirements

The student degree audit system is coordinated by the Office of Academic Services for the evaluation of transfer courses for the University's General Education Program and Foreign Language Proficiency requirements. When the transfer course work is entered into the UCF computer system (usually during the first semester at UCF), course descriptions and other information to provide a suffi-

cient basis for evaluation may be requested. Courses are evaluated on the basis of equivalency with the content of the courses required by the University. The evaluation conducted is entered into a computerized Degree Audit system and then is available to the colleges and departments through the University's computer network and for the student online access through myUCF at <https://my.ucf.edu>. Appeals of transfer credit decisions should be directed to Academic Services (MH 210). Substitution requests for college or major requirements are processed within those administrative offices.

Alternate Courses:

General Education Program

Courses that may be taken in substitution for the stated GEP requirements are listed below:

GEP Requirement	Acceptable Substitutions
MAC 1105C (College Algebra) ¹	MAC 1114C, MAC 1140C, MAC 2233, MAC 2253, MAC 2311, MAC 2312, MAC 2313
MGF 1106 (Finite Mathematics)	MGF 1107
PHY 2053C (Physics)	PHY 2048C, PHY 2049C, PHY 2054C
CHM 1020 (Chemistry)	CHM 2045C, CHM 1032, CHS 1440, CHM 2040 & CHM 2041
BSC 1005 or BSC 1050 (Biology)	BSC 2010C
GEO 1200 (Geography)	GEO 2370
CGS 1060C (Intro to Computer) ¹	CGS 2100C, COP 2500C, COP 3502C, COT 3100C
STA 2014C (Statistics)	STA 2023, STA 3032
THE 2000 (Theatre)	THE 2020
FIL 1000 (Cinema Survey)	FIL 2030, FIL 3036, FIL 3037
MUL 2010 (Enjoyment of Music)	MUH 2017, MUH 2019, MUH 3212, MUL 2016, MUL 2720

¹For all of the acceptable substitutions in this GEP requirement, a grade of "C-" (1.75) or better satisfies three hours of the Gordon Rule requirement.

Diversity Requirement

The University recognizes that communities are comprised of, and enriched by, people of diverse backgrounds. The study of diversity is encouraged to promote an understanding of the needs of individuals, the University, and society. Thus, all students completing their first bachelor's degree from UCF must complete at least one course that explores the diverse backgrounds and characteristics found among humans, including: race/ethnicity, gender, social class/caste, religion, age, sexual orientation, and level of physical ability.

Students are exempt from this requirement if they have completed an Associate of Arts degree or the General Education Program at a Florida College System institution or public state university. Students who have previously completed a baccalaureate degree also are exempt.

The requirement is satisfied by the successful completion of a diversity course selected from the following list. Additional courses may be approved subsequently by the Common Program Oversight Committee, so students should consult their departmental advisor for the most current listing.

General Education Courses:

ENC 1102
SPC 1608
SYG 2000
ANT 2000
POS 2041
PSY 2012
WOH 2022
LIT 2120
Composition II
Fundamentals of Oral Communication
Introduction to Sociology
General Anthropology
American National Government
General Psychology
World Civilization II
World Literature II

Other Courses:

AMH 3422
AMH 3425
AMH 3562
Frontier Florida
Sunbelt Florida
Women in American History II

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AML 3283	Contemporary American Women's Fiction
AML 3615	Harlem, Haiti, and Havana
AML 3682	Ethnic Literature in America
ANT 3245	Native American Religions
ASH 4304	Women in China
CCJ 4129	Cultural Diversity in Criminal Justice
CCJ 4670	Women and Crime
CJE 4174	Comparative Justice Systems
COM 4014	Gender Issues in Communication
COM 4461	Intercultural Communication
CPO 3034	Politics of Developing Areas
EDF 2085	Introduction to Diversity for Educators
GEO 3471	World Political Geography
JST 3401	Jewish People in Antiquity
JST 3402	Wanderings: The Jewish People in Dispersion
LIN 4615	African-American Styles of Communication
LIN 4643	Cross Cultural Communication
LIT 3192	Caribbean Literature
MMC 4300	International Media
MUL 2720	Music of the World
NUR 3805	Dimensions of Professional Nursing Practice
PAD 4446	Multiculturalism in Public Administration
PLA 4020	Law and Society
PLA 4830	World Legal Systems
PLA 4472	Employment Discrimination Law
POS 3627	Cultural Pluralism and Law
PUP 3325	Women and Political Behaviors
POS4622	Politics and Civil Rights
PUP 3314	Women and Political Behavior
PUP 3204	Sustainability
SOW 3620	Social Work with Diverse Populations
SPW 4772	Black Presence in Contemporary Latin American Literature
SYD 3800	Sex and Gender in Society
SYP 4732	Minority Aging
THE 4230	Cultural Diversity in Theater
WST 3561	Third Wave Feminisms
WST 3015	Introduction to Women's Studies

Transfer work from other colleges and universities is evaluated by the student's major department to determine if courses meet the diversity requirement. Satisfaction of this requirement remains in effect if the student changes majors.

Exit Exams

In order to measure their effectiveness, some departments and colleges may require graduating students to participate in an exit exam designed to measure the students' understanding of the discipline.

Foreign Language Proficiency Requirement (Bachelor of Arts Degree)

Students graduating with a Bachelor of Arts degree must demonstrate proficiency in a foreign language equivalent to one year of college instruction. This requirement may be met either by successful completion of the appropriate college-level course or by examination. Languages that may be used include those taught at UCF and any others for which the University can obtain standardized proficiency tests. Students who have previously received a baccalaureate degree are exempt from this requirement. Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.

Placement in Language Courses

Placement in foreign language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of one high school foreign language place the student in the first semester of the third year.

Several departments, colleges, and schools have additional requirements. See "Special College and/or Departmental Requirements" within each listing.

1. This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.
2. This is a University-wide requirement for all B.A. majors.
3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (HPH 106).

4. The foreign language proficiency requirement does not apply to students seeking a second baccalaureate degree.
5. A student who is required and furnishes a passing TOEFL (Test of English as a Foreign Language) score for admission to the University is considered to have satisfied the requirements.

American Sign Language

Students pursuing a Bachelor of Arts Degree may substitute American Sign Language for the foreign language exit requirement, except where one or more foreign languages have been specified by a college, school, or program for a specific degree (see individual degree program listings for more information). Proficiency is met either by successful completion of ASL 4161C (previously numbered SPA 4614C) or an appropriate score on the ASL proficiency exam. Contact the Department of Communication Sciences and Disorders regarding the proficiency examination.

SUS Foreign Language Admission Requirement

Students who have not satisfied the Foreign Language Admission Requirement (two high school units in the same language) at the time they are admitted to the University must satisfy this requirement **prior** to graduation. This requirement applies to all undergraduates and is separate from the UCF Foreign Language proficiency requirement.

The Gordon Rule

The "Gordon Rule" (State Rule 6A-10.30) applies to students who first enrolled in any college or university after October 1982. The rule requires students to complete four courses (twelve credit hours) of writing and to complete two courses (six credit hours) of mathematics at the level of college algebra or higher. Each course must be completed with a minimum grade of "C-" (1.75).

UCF courses that are required by the General Education Program also may be used to satisfy the Gordon Rule. "Gordon Rule" requirements may be satisfied by the General Education Program as follows:

Gordon Rule Requirement:	GEP Courses Which Satisfy:
1. Six hours of mathematics at the level of college algebra or higher	(1) College algebra or finite math (2) Statistics or computer science

Any 3000-level or above course in mathematics, statistics, or computer science also may be used toward fulfillment of the mathematics portion of the "Gordon Rule" Requirement.

2. Six hours of English coursework and six hours of additional college level writing	(1) Six hours of English Composition (2) Specifically identified courses and those from the following list:

General Education courses that apply to the Gordon Rule Writing Requirement:

ENC 1101	Composition I
ENC 1102	Composition II
LIT 2110	World Literature I
LIT 2120	World Literature II
AMH 2010	U.S. History: 1492-1877
AMH 2020	U.S. History: 1877-Present
EUH 2000	Western Civilization I
EUH 2001	Western Civilization II
HUM 2210	Humanistic Tradition I
WOH 2012	World Civilization I
WOH 2022	World Civilization II
Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement:	
AMH 2010H	Honors U.S. History: 1492 - 1877
AMH 3402	History of the South to 1865
AMH 3403	History of the South Since 1865
AMH 3441	History of the Frontier: Eastern America
AMH 3442	History of the Frontier: Western America
AMH 3541	U. S. Military History To 1900
AMH 3561	Women in American History I
AMH 3571	Black American History I
AMH 3800	Canadian History
AMH 4110	Colonial America, 1607-1763
AMH 4130	The Age of the American Revolution, 1763-1789
AMH 4160	Jacksonian America
AMH 4201	The Gilded Age and Progressivism
AMH 4270	United States History: 1939-1960
AML 3031	American Literature I
AML 3041	American Literature II
AML 3283	Contemporary American Women's Fiction
AML 3286	Early American Women's Words
AML 3614	Topics in African-American Literature
AML 3615	Harlem, Haiti, and Havana
AML 3643	Contemporary Native American Prose and Poetry
AML 3682	Ethnic Literature in America

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AML 3682H	Honors Ethnic Literature in America	LIT 3381	Women Writers of Color
AML 4101	American Novel	LIT 3383	Women in Literature
AML 4153	American Poetry at Mid-Century	LIT 3383H	Honors Women in Literature
AML 4155	Modern American Poetry	LIT 3394	Literature of AIDS
AML 4261	Literature of the South	LIT 3394H	Honors Literature of AIDS
AML 4265	Florida Writers	LIT 3482	Literature & Popular Culture
AML 4300	Major American Authors	LIT 3823	Hispanic Women Writers
AML 4304	Whitman and His Heirs	LIT 4043	Modern Drama as Literature
AML 4321	Modern American Literature	LIT 4244	World Authors
AML 4630	Latino/Latina Literature	LIT 4303	Post-World War II Fiction
ANT 3163	Mesoamerican Archaeology	LIT 4374	Literature of the Bible
ARH 4450	20th Century Art	LIT 4374H	Honors Literature of the Bible
ARH 4800	Theory and Criticism of the Visual Arts	LIT 4433	Literature of Science and Technology
EAS 4700C	Aerospace Design I	LIT 4554	Advanced Feminist Theories
EGN 4412C	Interdisciplinary Design I	PAD 3733	Professional Administrative Writing in the Public Sector
EML 4501C	Engineering Design I	PAD 4034	The Administration of Public Policy
ENC 1101H	Honors Freshman Composition I	PHH 3100	Ancient Philosophy
ENC 1102H	Honors Freshman Composition II	PHH 3200	Medieval Philosophy
ENC 3241	Writing for the Technical Professional	PHH 3460	Modern Western Philosophy
ENC 3241H	Honors Writing for the Technical Professional	PHH 3700	American Philosophy
ENC 3250	Professional Writing	PHI 3083	Research Methods in Philosophy
ENC 3310	Magazine Writing I	PHI 3323	Minds and Machines: Philosophy of Cognitive Science
ENC 3311	Essay as Cultural Commentary	PHI 3451	Philosophy of Psychology
ENC 4215	Technical Publication and Project Management	PHI 3670	Ethical Theory
ENC 4218	The Visual in Technical Documentation	PHI 3800	Aesthetics
ENC 4262	International Technical Communication	PHI 3805	Contemporary Aesthetics
ENC 4265	Writing for the Computer Industry	PHI 4321	Philosophies of Embodiment: Mind/Body/Self
ENC 4280	Technical Writing Style	PHI 4500	Metaphysics
ENC 4293	Documentation and the Collaborative Process	PHI 4804	Critical Theory
ENC 4294	Documentation and Client-Based Collaboration	PHI 4931	Philosophy in the News
ENC 4313	Research Writing	PHM 3401	Philosophy of Law
ENC 4360	Nature Writing	PHP 4782	Phenomenology
ENC 4414	Writing and Hypertext	PLA 3155	Legal Writing
ENG 3010	Practical Criticism	PLA 4935	Capstone: Legal Issues
ENG 3014	Theories and Techniques of Literature Study	REL 3130	Religion in America
ENG 3073	Cultural Studies Literature	REL 3432	Roots of Western Mysticism
ENG 4114	Literature and Film	RTV 4403	Electronic Media, Technology, and Society
ENG 4614	Discourse of Global Cultural Studies	THE 2081C	Introduction to UCF Theatre
ENL 2012	English Literature I	THE 2304	Script Analysis
ENL 2022	English Literature II	TPP 3310C	Directing for Theatre I
ENL 3296	Gothic Literature	TPP 4940L	Theatre Internship
ENL 4101	English Novel	WOH 2012H	World Civilization I - Honors
ENL 4220	English Renaissance Poetry and Prose		
ENL 4230	18th Century Studies		
ENL 4240	English Romantic Writers		
ENL 4253	The Victorian Age: Poetry		
ENL 4262	Nineteenth Century British Prose		
ENL 4303	British Authors		
ENL 4311	Chaucer		
ENL 4333	Shakespeare Studies		
EUH 2000H	Honors Western Civilization I		
EUH 3122	Medieval Society and Civilization		
EUH 3142	Renaissance and Reformation		
EUH 3242	Modern Europe and the First World War		
EUH 3281	Second World War and Rebirth of Europe		
EUH 3451	History of Modern France		
EUH 4284	Fascism and Nazism in the Interwar Europe		
EUH 4465	Hitler's Third Reich		
EUH 4500	English History to 1485		
EUH 4501	English History: 1485-1815		
EUH 4571	History of Russia to 1801		
EUH 4574	History of Russia: 1801-1917		
EUH 4576	History of Russia in the 20th Century		
EUH 4620	European Great Powers: 1815-1914		
HIS 4150	History and Historians		
HUM 2210H	Honors Humanistic Tradition I		
HUM 3320	Contemporary Multicultural Studies		
HUM 3401	Asian Humanities		
HUM 3431	Ancient Humanities		
HUM 3460	Latin American Humanities		
HUM 3553	Moses, Jesus and Muhammad		
JOU 2100C	News Reporting		
JOU 3101	Advanced Reporting		
JOU 4181	Public Affairs Reporting		
JOU 4300	Feature Writing		
JOU 4306C	Critical Writing		
JOU 4308	Freelance Writing		
LAH 3200	Modern Latin America		
LAH 3400	History of Mexico and Central America		
LAH 3470	History of the Caribbean		
LIT 3082	Continental European Fiction Since 1900		
LIT 3192	Caribbean Literature		
LIT 3192H	Honors Caribbean Literature		
LIT 3313	Science Fiction		
LIT 3313H	Honors Science Fiction Literature		

Summer Attendance Requirement

A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. Petition forms for exemption are available from the Academic Services website <http://www.academicsservices.ucf.edu/summer-waiver/>.

Admission to the Upper Division

To be classified as an upper division student at the University of Central Florida, a student must complete the following:

1. A minimum of 60 credit hours of academic work;
2. The English and mathematics requirements of the Gordon Rule;
3. One year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation Application Deadline

Students must complete the "Intent to Graduate" online at <https://my.ucf.edu> in the term preceding the one in which they intend to graduate (see the "Academic Calendar" for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Program. Graduating students must be enrolled at UCF during the term of graduation. Graduates may contact the Registrar's Office for Commencement ceremony and guest ticket information or refer to <http://www.registrar.sdes.ucf.edu/commencement>.

Successful completion of the degree requirements stated in the *Undergraduate Catalog* under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at the University. A student must complete all requirements for a baccalaureate or graduate degree no later than the date of the Commencement. A student **may not be** enrolled as a transient student in another institution during the term in which the baccalaureate degree or the Associate of Arts degree is to be awarded.

Undergraduate Degree Requirements

Correspondence Courses

The University of Florida's Division of Continuing Education, Department of Independent Study by Correspondence administers all correspondence instruction for the State University System of Florida (SUS). College credit, high school credit, and continuing professional education courses are available through regular mail and Fax (several by email). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra classes. It is possible to enroll any time during the year.

In 1996, the State revised the General Provisions Rule 64-4.002, at the Bureau of Teacher Certification for the State of Florida. Any teacher in the state now can use credit correspondence courses, as appropriate, to apply toward the recertification of the teaching license. Moreover, there is no limit to the number of courses that may fulfill the requirements.

The current Catalog details enrollment procedures, fees, and course information. A copy may be obtained at no cost by calling or writing to: University of Florida, Independent Study, Suite D, 2209 NW 13th St., Gainesville, FL 32609; 352-392-1711, Ext. 200; Email: learn@nervm.nerdc.ufl.edu. Website: <http://www.doce.ufl.edu>.

Double Majors

- A student may earn one degree, a BA or BS, with two majors, by completing the requirements for both majors. If both majors are within the same college and are of the same degree type (BA or BS), both majors will be indicated on the diploma; however, if the majors are from different colleges or are of different degree types, only one major will appear on the diploma. Students earning a double major must use the same Catalog year for both majors.

Two Degrees

- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.
- A student may earn two degrees, either both BA or both BS, if the degrees are earned in separate colleges and a minimum of 150 (or more) credit hours are earned.

- A student may earn two degrees, either both BA or both BS, within the same college if allowed by the particular college and a minimum of 150 (or more) credit hours are earned.
- Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.

More Than Two Majors, or More Than Two Degrees, or a Combination

Students attempting multiple majors or degrees beyond two must consult with the Registrar's Office for coordination among degree programs. Responsibility for doing so rests with the student. The stipulations for two majors and/or two degrees will apply as well as other minimum amount of hours and prohibitions about combinations.

Graduates from regionally accredited four-year U.S. institutions who apply for admission to work toward a second baccalaureate degree at UCF must meet the regular admission requirements of the major department and the UCF residency requirement of 30 additional credit hours for that degree. Students holding the baccalaureate degree from regionally accredited U.S. institutions are considered to have completed Gordon Rule, foreign languages, and General Education Program Requirements. Students who hold degrees from non-regionally accredited U.S. institutions and foreign institutions may be required by the Office of Academic Services (MH 210) to fulfill all or part of the UCF General Education Program requirements as stipulated in the *UCF Undergraduate Catalog*.

The University requirements specified in the preceding paragraphs are minimum requirements. Departments and colleges may require more than 150 credit hours for a second degree or more than 30 credit hours to be taken in residence at UCF. Students should confirm department, school, and college requirements with their academic advisors.



ACADEMIC DEGREES, MAJORS AND MINORS

Associate of Arts Degree

University of Central Florida students who satisfactorily complete 60 credit hours of acceptable college work may apply for an Associate of Arts degree. University requirements include achievement of a minimum UCF GPA of 2.0, fulfillment of the General Education Program requirements, and completion of the last 20 credit hours in residence at UCF. In addition, any student who desires to receive an A.A. degree must have satisfied the Gordon Rule requirement.

The Associate of Arts degree is awarded only upon application. The application form may be obtained from <http://www.academicsservices.ucf.edu/AA-degree> and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

Baccalaureate Degrees

The University offers the degrees of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Arts in Business Administration, Bachelor of Design, Bachelor of Engineering Technology, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, Bachelor of Science in Social Sciences, and Bachelor of Social Work. These degrees are available in the following Colleges with majors or areas of specialization as indicated:

College of Arts and Humanities

Bachelor of Arts (B.A.)

Majors: Art, Digital Media, English, Film, French, History, Humanities, Latin American Studies, Music, Philosophy, Religion and Cultural Studies, Spanish, Theatre Studies

Bachelor of Design (B.Des.)

Major: Architecture

Bachelor of Fine Arts (B.F.A.)

Majors: Art, Film, Theatre

Bachelor of Music (B.M.)

Bachelor of Music Education (B.M.E.)

Bachelor of Science (B.S.)

Majors: Photography

College of Business Administration

Bachelor of Science in Business Administration (B.S.B.A.)

Majors: Accounting, Business Economics, Finance, General Business, Management, Marketing, Real Estate

Bachelor of Arts (B.A.)

Major: Economics

Bachelor of Arts in Business Administration (B.A.B.A.)
(Regional campuses only)

College of Education and Human Performance

Bachelor of Science (B.S.)

Majors: Art Education, Early Childhood Development and Education, Elementary Education, English Language Arts Education, Mathematics Education, Science Education, Social Science Education, Sport and Exercise Science, Technical Education and Industry Training, World Languages Education

College of Engineering and Computer Science

Bachelor of Science (B.S.)

Majors:

Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Computer Engineering (B.S.P.E.), Computer Science (B.S.), Construction Engineering (B.S.Con.E.), Electrical Engineering (B.S.E.E.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Information Technology (B.S.), Mechanical Engineering (B.S.M.E.)

College of Health and Public Affairs

Bachelor of Arts (B.A.)

Majors:

Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration

Bachelor of Science (B.S.)

Majors:

Athletic Training, Communication Sciences and Disorders, Criminal Justice, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Public Administration

Bachelor of Social Work (B.S.W.)

Major:

Social Work

College of Medicine

Burnett School of Biomedical Sciences

Bachelor of Science (B.S.)

Majors:

Biotechnology, Biomedical Sciences, Medical Laboratory Sciences

College of Nursing

Bachelor of Science in Nursing (B.S.N.)

Major:

Nursing

College of Optics and Photonics

Bachelor of Science in Photonic Science and Engineering (B.S.P.S.E.)

Major:

Photonic Science and Engineering

College of Sciences

Bachelor of Arts (B.A.)

Majors:

Advertising-Public Relations, Anthropology, International and Global Studies, Human Communication, Journalism, Political Science, Radio - Television, Sociology

Bachelor of Science (B.S.)

Majors:

Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Social Sciences, Statistics

Rosen College of Hospitality Management

Bachelor of Science (B.S.)

Majors:

Event Management, Hospitality Management, Restaurant and Foodservice Management

Office of Undergraduate Studies

Bachelor of Applied Science (B.A.S.)

(Regional campuses only)

Bachelor of Arts (B.A.)

Major:

Interdisciplinary Studies

Bachelor of Science (B.S.)

Major:

Interdisciplinary Studies



Academic Degrees, Majors, and Minors

Academic Minors by College

College Awarding Minor	Name of Minor	College Awarding Minor	Name of Minor
College of Arts and Humanities	Africana Studies, American Studies, Art - Studio, Art History, Asian Studies, Cognitive Sciences, Community Arts - PAVE, Dance, Digital Humanities, Digital Media, Diplomacy, English - Creative Writing, English - Linguistics, English - Literature, English - Technical Communication, Film - Cinema Studies, French, History, Humanities, Italian, Judaic Studies, Latin American Area Studies, Medieval and Renaissance Studies, Middle Eastern Studies, Music, Performing Arts Administration, Philosophy, Philosophy, Religion and Popular Culture, Religion and Cultural Studies, Russian Studies, Spanish, Theatre, Women's Studies, Writing and Rhetoric	College of Sciences	Actuarial Science, Anthropology, Anthropology in Multicultural Studies, Astronomy, Biology, Chemistry, Crime, Law, and Deviance, Diplomacy, Diversity and Social Inequality, European Studies, Global Peace and Security Studies, Human Communication, International and Global Studies, Journalism Studies, Magazine Journalism, Mass Communication, Mass Culture and Collective Behavior, Mathematical Biology, Mathematics, Medical Anthropology, Medical Sociology, North American Indian Studies, Physics, Political Science, Political Science/Prelaw, Psychology, Sociology, Statistics
College of Business Administration	Accounting, Business, Economic Policy, Economics, Entrepreneurship, Finance, International Business, Marketing, Real Estate, Sport Business Management, Technological Entrepreneurship	Rosen College of Hospitality Management	Event Management, Hospitality Management
College of Education and Human Performance	Art Education, Coaching, Early Childhood Development and Education, Education, English Language Arts Education, Exceptional Student Education, Fitness Training, Mathematics Education, Recreation, Science Education, Social Science Education, Technical Education and Industry Training, World Languages Education - English for Speakers of Other Languages, World Languages Education - Languages Other Than English	Office of Undergraduate Studies	Environmental Studies, Leadership Studies, World Comparative Studies
College of Engineering and Computer Science	Aerospace Studies, Bioengineering, Computer Science, Energy and Sustainability, Engineering Leadership, Information Technology, Intelligent Robotic Systems - Interdisciplinary, International Engineering, Military Science, Secure Computing and Networks	Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student's baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed. A student may declare a minor up to but no later than the submission of the "Intent to Graduate Form." However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.	
College of Health and Public Affairs	Aging Studies, Communication Sciences and Disorders, Criminal Justice, Emergency Management and Homeland Security, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Nonprofit Management/National Certification Program in Nonprofit Management, Public Administration, Urban and Regional Planning	Graduate Programs See description at the beginning of each college section. For further information on a particular program or graduate fellowships, contact the departmental office in the respective college or see the <i>Graduate Catalog</i>; http://www.graduate.ucf.edu/catalog/.	
College of Medicine Burnett School of Biomedical Sciences	Biomedical Sciences		



THE BURNETT HONORS COLLEGE



The Burnett Honors College

Dean: Alvin Wang
407-823-3449; Fax: 407-823-6583
<http://www.honors.ucf.edu>

Associate Dean: Martin Dupuis
Director of Budget & Personnel: Lesanne Brunswick
Director of Advising: Rex Roberts
Director of Information Systems: Michael T. Callahan
Director of Prestigious Awards: Nicole Gelfert
Director of Research and Civic Engagement: Kelly Astro
Director of Student Services: Madi Dogariu

Committed to diversity in both the composition of its student body and the programs that it supports, The Burnett Honors College (TBHC) at UCF provides a challenging and exciting educational experience to academically talented students. TBHC combines the atmosphere of a small liberal arts college with the intellectual stimulation of a large metropolitan research university. Honors students receive an education that prepares them to enter the best graduate and professional schools as well as pursue distinguished careers.

Honors classes are small, and course work crosses traditional disciplinary boundaries to encourage critical thinking. Beyond the classroom, special guest lecturers, field trips, study abroad, research opportunities, and university-related service activities expand the horizons of Honors students.

Students in TBHC are actively involved in social activities and course programming. They also have priority registration privileges and access to the Honors Reading Room, Computer Lab, Meditation Garden, and Honors Housing.

Students may pursue Honors through two distinct programs, University Honors and/or Honors in the Major.

University Honors

Admission to University Honors is granted by TBHC to qualified incoming freshmen. Students who seek admission to University Honors must apply directly to TBHC. It is the student's responsibility to obtain the appropriate Honors College admissions information from the TBHC Office of Student Services and follow the procedures necessary to enter the program. Prospective Honors students and their families are encouraged to contact Honors staff at honors.admissions@ucf.edu if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida College System institution that has an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services at honors.admissions@ucf.edu.

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors

students must: 1) complete 4 Honors lower-division courses¹; 2) complete the Honors Freshmen Symposium²; and 3) fulfill upper-division Honors course requirements determined by college or major³.

By the end of the second week of the term in which a student plans to graduate with University Honors, the student must file a completed "Intent to Graduate with University Honors" form with TBHC and complete an exit interview. A student who completes all of the requirements for University Honors will have the designation of "University Honors" entered on the diploma and transcript. Note: No student with a "Z" designation on his/her final transcripts is eligible to graduate with University Honors.

Summary Table of University

Honors Requirements

Symposium:	IDH 1920H
Lower-division:	4 courses
Upper-division Major:	3 courses; Vary by College and Major (see below)

The current upper-division³ requirements are as follows:

■ **University Honors Upper-Division Program Requirements: College of Arts and Humanities, College of Education and Human Performance, College of Sciences, Rosen College of Hospitality Management, College of Nursing, College of Health and Public Affairs, Medical Laboratory Sciences, Information Technology, Economics (B.A.) and Interdisciplinary Studies majors**

1. Complete one Honors Interdisciplinary Seminar³
2. Complete one Honors upper-division course or Interdisciplinary Seminar³
3. Complete one Honors upper-division course, Interdisciplinary Seminar, or Undergraduate Thesis (PR: Hon Directed Readings; see BHC 107 for information)

■ **University Honors Upper-Division Program Requirements: College of Business Administration (Excluding Economics B.A. majors)**

1. Complete one Honors Interdisciplinary Seminar³
2. Complete two Honors upper-division Business courses
BUL 3130H Legal & Ethical Environment of Business
GEB 3356H Introduction to International Business
MAR 3023H Marketing
FIN 3403H Business Finance
MAN 3025H Management of Organizations
MAR 3203H Supply Chain Management
Undergraduate Thesis (PR: Hon Directed Readings; see BHC 107 for information)

Note: Please refer to the "UCF Courses and Descriptions" section of this Undergraduate Catalog for information on direct prerequisites for the above courses.

Consult with an Honors advisor to find out when these courses are being offered.

The Burnett Honors College

■ University Honors Upper-Division Program Requirements: College of Engineering and Computer Science (Excluding Computer Science and Information Technology majors)

1. Complete one Honors Interdisciplinary Seminar³
2. Complete two Honors upper-division Engineering courses
STA 3032H Probability and Statistics for Engineers
EGN 3310H Engineering Analysis-Statics
EGN 3321H Engineering Analysis-Dynamics
EGN 3343H Thermodynamics
EGN 4931H Engineering Research Seminar
Undergraduate Thesis (PR: Hon Directed Readings; see BHC 107 for information)

Consult with an Honors advisor to find out when these courses are being offered.

■ University Honors Upper-Division Program Requirements: Computer Science majors

1. Complete one Honors Interdisciplinary Seminar³
2. Complete two Honors upper-division Computer Science courses
COP 3223H C Programming
COP 3502H Computer Science I
COP 3503H Computer Science II
COT 3100H Introduction to Discrete Structures
ENC 3241H Writing for the Technical Professional
Undergraduate Thesis (PR: Hon Directed Readings; see BHC 107 for information)

Consult with an Honors advisor to find out when these courses are being offered.

■ University Honors Upper-Division Program Requirements: College of Medicine (excluding Medical Laboratory Sciences majors)

1. Complete one Honors Interdisciplinary Seminar³
2. Complete two of the following Honors upper-division courses
BSC 3403H Quantitative Biological Methods
MCB 3020H Microbiology
ZOO 3733H Human Anatomy
PCB 3703H Human Physiology
PCB 4524H Molecular Biology II
ZOO 4704H Clinical Neuroanatomy
Undergraduate Thesis (PR: Hon Directed Readings; see BHC 107 for information)

Consult with an Honors advisor to find out when these courses are being offered.

¹ ENC 1101 and ENC 1102 must be taken in Honors sections if the student does not have alternative credit for them at the time he/she is admitted in to the University Honors Program. Extra Upper Division course(s) can substitute for Lower Division courses.

² Honors Freshmen Symposium is a mandatory two credit hour course offered for freshmen in the Fall semester of each year. This course includes guest lectures and discussions. Honors Freshmen Symposium also includes a Service Learning component.

³ An Honors Interdisciplinary Seminar normally is an upper-division 3 credit hour course intended for all majors. Many seminars are team-taught, and present cutting-edge topics. Enrollments are limited to 20 students.

For more information about Honors requirements and advising, visit <http://ooha.honors.ucf.edu>

Acceptable Waivers

Please see The Burnett Honors College website at http://honors.ucf.edu/Students/Current_Students/Earning_Opportunities for a listing of acceptable waivers. Students should obtain waivers from the Office of Honors Advising (BHC 109) prior to their participation in the listed programs.

Notes

Students who are pursuing University Honors in two degrees must complete an additional Upper-Division course or Interdisciplinary Seminar in order to receive University Honors distinction on both diplomas.

Honors in the Major (HIM) courses do NOT fulfill University Honors requirements. However, EGN 4931H and NUR 3165H can fulfill HIM Directed Readings.

Honors in the Major

Application for admission to the Honors in the Major program will be submitted to TBHC following consultation by the student with the Department Chair or Honors in the Major Coordinator in the student's major department. This program is designed to encourage original and independent work by the student. Two copies of the thesis, project, or creative work will be published through

the University library. An Honors in the Major Handbook outlining the procedures for completing this program is available online at http://research.honors.ucf.edu/Honors_in_the_Major/.

Requirements for admission to Honors in the Major are: completion of at least 60 credit hours of college credit including at least 12 graded upper-division hours at the University of Central Florida; at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses regardless of institution. Students must also seek approvals by the department from which Honors in the Major is sought and from the Director of Research and Civic Engagement of TBHC.

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and the completion of at least three but not more than six hours of Directed Readings course work as determined by the academic department; and at least three but not more than 12 hours of Honors Thesis or Project work taken in the college or department of major. Engineering majors can take EGN 4931H in lieu of Directed Readings and will write a thesis proposal as part of their coursework. Departments or colleges may set additional requirements for Honors in the Major to be completed.

The Honors Thesis is to be completed under the direction of a committee of three faculty members, one of whom is the project or thesis Chair. It is the student's responsibility to obtain an Honors in the Major Committee Chair who will undertake the responsibility of directing the Honors Directed Readings and Thesis and, in consultation with the student, form the Honors in the Major faculty committee. The Thesis Committee Chair and at least two committee members must be tenured or tenure-earning faculty. The student is responsible for filing an application with TBHC to begin Honors in the Major, which must be signed by the Thesis Committee Chair, the Honors Coordinator of the major department, and the Director of Research and Civic Engagement of TBHC. The student must receive a grade of at least "B" in all Honors in the Major course work to be awarded Honors in the Major.

The student must file an "Intent to Graduate with Honors in the Major" form with the TBHC Office of Research and Civic Engagement by the third day of classes of the semester of their anticipated graduation date. A student who completes all of the requirements for Honors in the Major, including maintaining at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses, will have the designation of "Honors in (subject area)" noted on the diploma and the University transcript. Note: No student with a "Z" designation on his/her final transcripts is eligible to graduate with Honors in the Major. If you have any questions about these requirements, please contact TBHC at 407-823-6402 or honorsresearch@ucf.edu.

Burnett Research Scholars

TBHC oversees the Burnett Research Scholars (BRS) Program which is designed to assist sophomores and juniors identify and work with faculty mentors in a research area of shared interest. BRS is open to all UCF students with a minimum overall GPA of 3.2. A limited number of BRS grants are competitively awarded to students and faculty for fall, spring, or summer semester research. Students seeking more information about BRS should visit <http://research.honors.ucf.edu>.

If you have any questions about BRS or the grants program, please contact the Office of Research and Civic Engagement in BHC 107 or by phone at 407-823-6402.

Office of Prestigious Awards

The Office of Prestigious Awards (OPA) provides all UCF students with information and advising for major national and international fellowships and scholarships. OPA serves as the UCF campus representative for all awards requiring university endorsement or nomination, including the Rhodes, Marshall, Fulbright, Goldwater, and Truman scholarships. While OPA is housed within The Burnett Honors College, it serves the entire UCF community.

OPA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards preparation is both intensive and extensive, and can begin as early as a student's freshman year. Students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OPA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information can visit <http://www.opa.honors.ucf.edu> or contact OPA by phone at 407-823-4019, by email at OPA@ucf.edu, or by visiting BHC 102A.

COLLEGE OF ARTS AND HUMANITIES



College of Arts and Humanities

Dean: José Fernández
CAH 190; 407-823-2251
<http://www.cah.ucf.edu/>

Associate Dean: Lynn Hepner
CAH 190; 407-823-2251

Assistant Dean: Paul Lartonoix
CAH 190; 407-823-2251

Assistant Dean: Rudy McDaniel
CAH 190; 407-823-2251

Assistant Dean: Nancy Stanlick
CAH 190; 407-823-2251

The College of Arts and Humanities includes the following departments: English, Modern Languages & Literatures, History, Philosophy, and Writing & Rhetoric. The College houses programs in Africana Studies, American Studies, Asian Studies, Judaic Studies, Latin American Studies, Middle Eastern Studies, Russian Studies, and Women's Studies. The college also oversees the School of Visual Arts and Design, which offers degrees in Art, Architecture, Digital Media and Film, and the School of Performing Arts. In keeping with the goals of the University of Central Florida, the College is responsible for all programs in the areas of humanities and arts. The departments collectively offer more than 75 baccalaureate and graduate programs. For

additional information concerning graduate programs, please refer to the current online Graduate Catalog. In addition to providing academically strong degree programs in the areas noted above, the College of Arts and Humanities offers a selection of courses that are designed to complement the programs of the other colleges of the University. These offerings include a number of courses necessary to satisfy the University's General Education program.

A student enrolled in the College as an undergraduate must fulfill all University degree requirements including those for general education as well as the particular requirements set forth within each area of specialization. To be certified for graduation, a student must achieve at least a "C" GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in each major course. Students are advised to consult their departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not fulfill the requirement.

A student whose written or oral communication in any course is deemed unsatisfactory may be referred to the Dean by the instructor. Additional coursework or an individual study program, consistent with the needs of the student, may be assigned and must be completed before the degree is granted.

College of Arts and Humanities

Preprofessional Programs

Prelaw Program

Prelaw Advisor: Harry Coverston
PSY 220; 407-823-2273

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with approximately three-fourths of the course work representing theory content is typically suggested. Majors such as English, History, Legal Studies, Philosophy, Sociology, and Political Science meet this criterion. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that the Law School Admission Test (LSAT) be taken prior to consideration for admission. General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-law Advisor.

Advisement of pre-law students will be provided in the area where a major is chosen. For example, a pre-law student who desires to emphasize the historical foundations should seek advisement in the Department of History; for emphasis in political science advisement should be sought in the Department of Political Science; emphasis in economics should be gained through advisement in Economics programs in the College of Business Administration; emphasis in Legal Studies can be pursued in the Departments of Criminal Justice and Legal Studies in the College of Health and Public Affairs.

Advisement

CAH Student Advising (CAHSA)

Director: Delia Garcia
CNH 201; 407-823-3312
Email: cahsa@ucf.edu
<http://cahsa.cah.ucf.edu>

CAH Student Advising (CAHSA) is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 201 or by calling 407-823-3312. Questions concerning the requirements within a major should be directed to the Department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

Program Planning

Although suggested curricula are available in most areas, students will plan their program in consultation with a faculty advisor appointed by the major department.

Area Studies Programs

Area Studies programs are multi-disciplinary programs that focus on specific regions or cultural groups. UCF has six area studies programs with an international focus: Africana, American, Asian, Judaic, Latin American, Caribbean and Latino/a Studies, and Middle Eastern. Although the academic home of these programs is the College of Arts and Humanities, faculty and students from across the entire university may participate in them. These programs may be elected as minors by students majoring in any discipline within the university. For more information about the programs and contact numbers of the program directors see the list below.

Africana Studies - Contact: Anthony Major; 407-823-0026

American Studies - Contact: Lynn Hepner; 407-823-2251

Asian Studies - Contact: Paul Giordano; 407-823-2472

Judaic Studies - Contact: Moshe Pelli; 407-823-5039

Latin American, Caribbean and Latino/a Studies - Contact: TBA; 407-823-1173

Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225

Russian Studies - Contact: Vladimir Solonari; 407-823-6617

International Study Centers

Undergraduate Inter-institutional Transient Program

The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters. Students with 27 or more credit hours of credit and a minimum GPA

of 2.5 or above in all state universities are eligible to apply for one or both semesters as inter-institutional transient students. Faculty at the centers are drawn from the nine state universities. While credits are earned through Florida State University, which administers the program on behalf of the State University System, credits are fully transferable within the System. Students at the Centers are considered to be resident in their home institutions for attendance and degree purposes.

Classes at the Florence Center emphasize art history, Italian, social sciences, and the humanities; at the London Center, theatre, business, English, history and the social sciences are emphasized. Field trips and museum visits are common to both. For further information, consult the Office of International Studies at 407-882-2300.

Programs, Tracks, and Degrees

Title	Degree
Africana Studies	Minor
American Studies	Minor
Architecture	BD
Art	BA, BFA, Minor, MFA
Asian Studies	Minor
Cinema Studies (Film)	BA, Minor
Community Arts - PAVE	Minor
Dance	Minor
Digital Humanities	Minor
Digital Media	BA, MA, Certificate, Minor
Diplomacy	Minor
English	BA, MA, Minor, MFA
Event Management (offered through Rosen)	Minor
Film	BFA, MFA
French	BA, Minor
History	BA, MA, Accelerated MA, Minor
Humanities	BA, Minor
Italian	Minor
Jazz Studies	Certificate
Judaic Studies	Certificate, Minor
Latin American Studies	BA, Minor
Middle Eastern Studies	Minor
Music	BA, BM, MA, Minor
Music Education	BME
Performing Arts Administration	Minor
Philosophy	BA, Minor, Certificate
Religion and Cultural Studies	BA, Minor
Russian Studies	Minor
Spanish	BA, MA, Minor
Teaching English as a Foreign Language (TEFL)	Certificate
Teaching ESL	MA
Theatre	BA, BFA, MA, MFA, Minors in Dance, Theatre
Translation and Interpretation	Certificate
Women's Studies	Minor, Certificate
Writing and Rhetoric	Minor, Certificate

Departments and Programs

Africana Studies: Program

Program Director: Anthony Major
CNH 110; 407-823-0026
<http://www.aas.cah.ucf.edu/>

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Latin American Studies, Political Science, Psychology, Sociology, Anthropology, Film, Theatre, and the Sciences. The program's interdisciplinary approach emphasizes the artistic and intellectual traditions of African Americans, and is dedicated to developing expertise and knowledge of the black experience in the African Diaspora.

Degrees: None

Tracks: None

Minors: Africana Studies



American Studies: Program

Contact: Lynn Hepner
CAH 190; 407-823-2251

The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from Literature, Humanities, Social Sciences and History.

Degrees: None

Tracks: None

Minors: American Studies

Asian Studies: Program

Contact: Paul Giordano
CNH 523; 407-823-2472

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (Anthropology, Art History, Economics, English, Foreign Languages, History, Humanities, Philosophy, Political Science).

Degrees: None

Tracks: None

Minors: Asian Studies

Community Arts—PAVE: Program

Program Director: TBA
VAB 117; 407-823-2676

A minor in Community Arts—Partners in Art in Visual Education (PAVE) is offered for students who are majoring in Art, Music, Theatre, or English.

Degrees: None

Tracks: None

Minors: Community Arts

Department of English

Chair: Patrick Murphy
CNH 405; 407-823-1159
Email: english@ucf.edu
<http://www.english.cah.ucf.edu/>

Faculty: Angley, Applen, Bartkevicius, Campbell, Casmier-Paz, Cato, Dombrowski, Flammia, Gleyzon, Grajeda, Hasanat, Hohenleitner, Hubbard, Jardaneh, A. Jones, D. Jones, Kamrath, Kesler, Lillios, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Nwakanma, Oliver, Poissant, Pugh, Rodriguez-Milanes, Roney, Rushin, Schell, Seidel, Stap, Telep, Thaxton, Trouard, Uttich, Young; Professors Emeriti: Adicks, Barnes, Omans, Schiffhorst

The Department of English is responsible for the effective teaching of language and literature in English, including World Literature, Linguistics, rhetoric, and creative, expository, and technical writing. Students may concentrate in creative writing, technical communication, or literature. The Department serves the broad needs of the University with course offerings in writing and literature for students from other departments. The department has a Technical Documentation Writing Lab and also publishes The Florida Review, The Cypress Dome, and The Faulkner Journal. An Honors in English program provides an enriched course of study for exceptional students, leading to graduation with honors. Program description follows concentration in degree plans.

Degrees: English (BA, MA), Creative Writing (MFA)

Tracks: Literature, Creative Writing, Technical Communication

Minors: Creative Writing, Digital Humanities, Literature, Linguistics, Medieval/Renaissance, Technical Communication

Department of History

Chair: John Sacher
CNH 551B; 407-823-2225
Email: history@ucf.edu
<http://history.cah.ucf.edu/>

Faculty: Adams, Beiler, Cassanello, Clark, Crepeau, Dandrow, Darty, Farless, Fernandez, Foster, French, Gannon, Gordon, Head, Herlihy, Kallina, Larson, Lester, Lindsay, Long, Lyons, Martinez-Fernandez, Murphree, Nair, O'Shea, Ozoglu, Pineda, Sacher, Solonari, Walker, Walters, White, Zhang; Faculty Emeriti: Colbourn, Leckie-Reed, Pauley, Shofner

History is the study of the past. Its objective is to understand the past, and through the past, to understand the present. The discipline of history is more than 2,500 years old and remains a vital body of knowledge in the 21st century.

Students who are interested in becoming a lawyer should seriously consider a major in history as a foundation for law school. Law is a historical phenomenon and part of the political, social, and economic processes that have contributed to the success of the United States. An understanding of history lends great insight to the function of, and motives behind, the legal system. In addition, a careful study of history will enable the student to become effective in oral and written communication while developing intellectual skills in critical thought and analysis, both of which are invaluable to the study of law.

The Department participates in the programs in Women's Studies, American Studies, Africana Studies, Asian Studies, Digital Humanities, Judaic Studies, Middle Eastern Studies, and Latin American, Caribbean and Latino Studies.

Degrees: History (BA, MA, Accelerated MA)

Tracks: None

Minors: Diplomacy, History, Middle Eastern Studies, Russian Studies

Judaic Studies: Program

Program Director: Moshe Pelli
CNH 415 E-J; 407-823-5039 or 823-5129
Email: judaicst@ucf.edu
<http://www.judaicstudies.cah.ucf.edu>

Faculty: Hanson, Pelli

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The program offers instruction, conducts research, and disseminates knowledge in the civilization of the Jewish people from Biblical times to the present day in the major dimensions of its creativity: literature, language, religion, philosophy, law, and social, political and economic organization. Because the roots of western culture and civilization and major world religions lie in ancient Jewish thought and practice as manifested in the Hebrew Bible and subsequent writings, Judaic Studies form an essential component of the university's curricula.

The program enables students to acquire a foundation of knowledge of Jewish history, the Hebrew language, Jewish philosophy, culture, religious beliefs, and political aspirations; and to understand the contribution of Judaism to western civilization. The courses highlight major aspects of Jewish civilization, focusing on its interaction with other cultures and on the bodies of human knowledge upon which it draws. The program is designed to serve students pursuing careers in general or Jewish education, in communal works and Middle-Eastern affairs, in languages, humanities, or liberal arts, in the ministry or rabbinate, and in the community at large.

Degrees: None

Tracks: None

Minors: Judaic Studies

Certificates: Judaic Studies

Latin American Studies: Program

Program Director: TBA
CNH 122; 407-823-1173
Email: latinamerica@ucf.edu
<http://las.cah.ucf.edu/>

The Latin American Studies BA and Minor provide students with an interdisciplinary knowledge of and the necessary tools to understand Latin America, the Caribbean, and Latinos in the United States. Students completing the minor will be prepared to apply their knowledge on the areas covered by the minor in a variety of careers including, but not limited to education, government, journalism, foreign service, social and community service, international trade, and public relations.

Degrees: Latin American Studies (BA)

Tracks: None

Minors: Latin American Studies

Middle Eastern Studies: Program

Program Director: Hakan Ozoglu

CNH 551; 407-823-2225

Email: hakan@ucf.edu

Advisory Board Co-Chairs: John C. Bersia; Janan Smither

<http://middleeasternstudies.cah.ucf.edu/>

An interdisciplinary minor designed to offer students both an overview of Middle Eastern civilization and a detailed study of its most important features. The focus of the program is on the religious, political, historical and social forces shaping the region. Course work will include classes from the curricula of participating programs (Modern Languages, History, Humanities, Judaic Studies, Philosophy, and Political Science).

Degrees: None

Tracks: None

Minors: Middle Eastern Studies

Department of Modern Languages and Literatures

Chair: Paul Giordano

CNH 523; 407-823-2472

Email: flfaculty@ucf.edu

<http://mll.cah.ucf.edu/>

Faculty: Bauer, Bougeois-Serrano, Cordeiro-Rosa, Fabery, Fernández, Fernández-Rubiera, Folse, Garcia, Giordano, Jin, Korosy, Kourova, Larson, Ledesma, Leticee, Lopez, Ludwig, Mazzuchelli, Mihai, Montalvo, Nalbone, Negy, Pomerleau, Prucha, Purmensky, Redmon, Spina, Stebbins, Tartt, Velez-Soto, Villanueva-Ghelfa, Vitanova; Professor Emeriti: Barsch, Del-Rio, Micarelli

The Department provides instruction in Arabic, Chinese, French, Italian, Japanese, Portuguese, Russian, and Spanish, with majors in French, and Spanish. These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), TESOL (MA)

Tracks: None

Minors: French, Italian, Russian Studies, Spanish

Certificates: TEFL, Translation

Department of Philosophy

Chair: TBA

PSY 220; 407-823-2273

Email: philosophy2@ucf.edu

<http://www.philosophy.cah.ucf.edu>

Faculty: Cash, Coverston, Dacey, DiBernardo, Evans, Fiore, Gleig, Janz, Jones, Kassim, Kuang, Mundale, Park, Rodgers, Schippert, Stanlick, Strawser, Walker; Professor Emeritus: Congdon, Flick

The Department of Philosophy offers a Philosophy major, a Religion and Cultural Studies major, and a Humanities major, with a track in Philosophy, Religion, and Popular Culture as well as minors in Philosophy, Humanities, Religion and Cultural Studies, and Cognitive Sciences. The Department requires all majors to receive advisement prior to registering each semester. Majors should schedule appointments with their departmental advisor. For any course used to satisfy a requirement (including electives) of the Philosophy major, the Humanities major, and Religious Studies, a grade of "C" or better must have been received.

Degrees: Philosophy (BA), Religion and Cultural Studies (BA), Humanities (BA), Humanities - Philosophy, Religion and Popular Culture (BA)

Tracks: Regular and Honors

Minors: Cognitive Sciences; Humanities; Philosophy; Philosophy, Religion and Popular Culture; Religion and Cultural Studies

Department of Writing and Rhetoric

Chair: Elizabeth Wardle

CNH 3071; 407-823-0576

Email: writingandrhetoric@ucf.edu

<http://writingandrhetoric.cah.ucf.edu/>

Faculty: Barnickel, Bell, Bowdon, Bryan, Cavanagh, Ethridge, Gomrad, Guenzel, Hall, Henken, Hepner, Holic, Ives, Launier, Marinara, Martin, Martinez, McBride, Mohrenne, Owens, Pigg, Richardson, Ringfield, Rios, Rounsaville, Schell, Schutz, Scott, Stack, Taylor, Tripp, Walls, Wardle, Weaver, Wolcott, Wright, Zemliansky

The Department of Writing and Rhetoric oversees the First-Year Composition Program and offers certificate and degree programs for the focused study of writing and rhetoric, including professional and public writing, the teaching of writing, and the history and theory of rhetoric, composition, and literacy. Courses in our two undergraduate and two graduate programs emphasize, in particular, writing as civic engagement and writing with technologies. The department's primary mission is to promote sustained writing opportunities across the university, the foundation for which we provide in first-year composition but which we also achieve through the efforts of the University Writing Center and "Knights Write" Writing Across the Curriculum Program. The department celebrates student writing in *Stylus*, a journal for first-year writing, and the annual Knights Write Showcase.

Degrees: Rhetoric and Composition (MA)

Tracks: None

Minors: Writing and Rhetoric,

Certificates: Public and Professional Writing, Professional Writing (Graduate certificate)

School of Performing Arts

Director: TBA

Music:

Chair: Jeffrey Moore

PAC M203; 407-823-2879; Fax: 407-823-3378

Email: music@ucf.edu

<http://www.music.cah.ucf.edu/>

Faculty: Allen, Almeida, Anderson, Brodie, Brunner, Danielson, Garcia, Gay, Gennaro, Hunt, Koons, Marosi, Miller, Moore, Pherigo, Potter, Ro, Rupert, Scharron, Schreier, Stephenson, Tobias, Thornton, Warfield, Weremchuk, Wilkinson, Yonetani; Faculty Emeriti: Pickering, Whisler, Wolf

The Department of Music offers a Bachelor of Music degree with options in performance, jazz studies, and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education and Human Performance. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Student Chapters of MENC and ACDA, and Music Student Advisory Council.

Degrees: Music (BA, MA), Music Education (BME), Music Performance (BM)

Tracks: Music Performance, Composition, Jazz Studies

Minors: Music, Performing Arts Administration

Theatre:

Chair: Christopher Niess

PAC T210A; 407-823-2862

Email: theatre@ucf.edu

<http://www.theatre.cah.ucf.edu/>

Faculty: Boyd, Brotherton, Brown, Chicurel, Harris, Heil, Helsinger, Ingram, Lartonoix, Listengarten, McDonald, Niess, Perry, Routhier, Rusnock, Scott, Seay, Shafer, Siegfried, Snyder, St. Claire, Tan, Tollefson, Weaver, Wood; Professor Emeritus: Smith

The Department of Theatre seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful

pursuit of professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and Humanities, the department seeks to provide its students with the knowledge and skills necessary to live full, rewarding and productive lives. Offering undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Arts and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the Central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.

Degrees: Theatre (BA, BFA, MA, MFA)

Tracks: Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences, Theatre Studies

Minors: Dance, Theatre

School of Visual Arts and Design

Interim Director: Paul Lartonoix
VAB 117; 407-823-2676
Email: svadadvising@ucf.edu
<http://svad.cah.ucf.edu/>

Faculty: Abbas, Abraham, Adams, Ahearn, Burrell, Cabrera, Colon-Mendoza, Cooper, Croft, Davila, Dombrowski, Francis, Gaudnek, Gay, Gerstein, Hadrika, Hall, Haran, Harris, Haxton, Hughes, Ingle, Isenhour, Jeronimo, Jones, Kim, J., Kim, S.J., Kovach, Lenz, Lindgren, Lotz, Major, Martin, McDaniel, McPeck, Mills, Moshell, Novatnak, Peters, Peterson, Poindexter, Price, Raimundi-Ortiz, Reedy, Rivers, Robinson, Rohdie, Sandler, Santana, Schlow, Smith, Spencer, Stoeckl, Sung, Theen, Underberg, Wolfe, Wyatt, Zaho.
Professor Emeritus: Frederick

The School of Visual Arts and Design (SVAD) is a combination of the Art, Architecture, Digital Media, and Film programs. Topics covered by SVAD degrees include traditional studio arts, design, and art history; emerging media concepts that are the foundation of animation, game and interactive design; and film programs that develop a student's creative voice, appreciation and understanding of the medium. Art degrees offer studies in traditional forms of painting, drawing, photography, and ceramics and supply core skills necessary to pursue professional careers in both emerging media and the fine arts. Film degrees explore entrepreneurial filmmaking and the use of new production and distribution technology, as well as film theory, criticism, and history. This curriculum prepares the student for work in the industry or for graduate study. Digital Media degrees explore creative expression through digital media platforms such as video games and the World Wide Web, interactive design and programming, narrative

techniques for digital storytelling, and new media business models. Students acquire a highly marketable body of knowledge leading to solid careers in industry or in creative research.

The Art BFA – Emerging Media Track – Character Animation Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term.

The Art BFA – Emerging Media Track – Graphic Design Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term.

The Film BFA is a limited access program that requires an application and creative portfolio and is usually submitted in December each year for admission in the following fall term.

While the Art BA – Studio Track, Art BFA – Studio Track, and Art BFA – Emerging Media Track – Experimental Animation specialization programs are not limited access, many of the required upper-level courses require the completion of a student portfolio that is usually submitted near the beginning of a student's Junior year.

The Architecture BD program is offered at UCF at the Valencia West Campus.

The Photography BS program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the main UCF Orlando campus as part of the Art BA – Studio Track and Art BFA – Studio Track degree programs.

Complete information about faculty, curriculum, and admission requirements is available on the School of Visual Arts and Design website (see above). Students should pay close attention to program admission requirements and periodically check with School advisors and the SVAD website.

Degrees: Architecture (BD), Art (BA, BFA), Digital Media (BA, MA), Emerging Media (MFA), Film (BA, BFA, MFA), Photography (BS)

Tracks: Art History, Cinema Studies, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design

Minors: Art History, Digital Media, Film-Cinema Studies, Studio Art

Women's Studies: Program

Program Director: M.C. Santana
CNH 122; 407-823-6502
Email: womenst@ucf.edu
<http://www.womensstudies.cah.ucf.edu/>

Faculty: Preston-Sidler, Santana, Tweed

The Women's Studies program offers an interdisciplinary minor and a certificate in Women's Studies in cooperation with several departments, programs, and schools. The program examines women's roles in and contributions to past and present societies, and provides practical and theoretical knowledge about women's and gender issues.

Degrees: BA (Interdisciplinary Studies)

Tracks: Women's Studies Track in Interdisciplinary Studies

Minors: Women's Studies, Certificate

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://www.oas.ucf.edu/alc/alc_students_cahum.htm

COLLEGE OF BUSINESS ADMINISTRATION



College of Business Administration

Dean: Paul Jarley
BA1 230; 407-823-2181
<http://wclaseb.bus.ucf.edu>

Associate Dean: Foard Jones
BA1 230; 407-823-2181
Associate Dean: E. Taylor Ellis
BA2 101-W; 407-823-2187
Interim Associate Dean: TBA
BA2 307

The College Mission Statement can be condensed into one sentence: The College of Business Administration advances the University's mission and goals in providing intellectual leadership through teaching, research, and service. The vision is to create within the College an environment that nurtures learning and exploration, provides opportunities for faculty to disseminate information, provides educational opportunities for students, businesses and the general public, and provides a platform for many and various forms of partnerships.

Nurturing Learning and Exploration: The College is a catalyst for students, faculty, and the general public to gain a better understanding of the various fields of business. Educational experiences inspire learning and encourage exploration.

Dissemination of Information: Students are encouraged through the learning process to gather information to be used by them in future business vocations. Both students and faculty are encouraged to pursue outlets to share "new" information within their fields and to business practitioners.

Provide Educational Opportunities: Degree seeking individuals are provided with curricula leading to baccalaureate, masters, and doctoral programs. The College is also committed to providing more opportunities with structured learning experiences that "certify" non-degree seeking individuals as having accomplished a minimum requirement for a selected career.

Provide a Platform for Partnerships: The College is engaged in specific areas of excellence that provide opportunities for learning, exploration, and sharing. These specific areas of excellence take the form of Centers and Institutes, and selected niche areas of College units.

All undergraduate and graduate programs are accredited by the Association to Advance Collegiate Schools of Business International (AACSB).

Admission to the University of Central Florida **does not** imply admission to the College of Business Administration. **For the BSBA and BABA degrees**, students will only be allowed to enroll in the 3000/4000 level courses taught by the College of Business Administration **after** they have been admitted to the College. Admission to the College will be granted **for BSBA and BABA** students **when** the following are complete:

- Completion of the University General Education Program or an AA degree from a Florida College System institution and a minimum overall GPA of 2.0.
- Common Program Prerequisites with a minimum of a 2.0 GPA and "C" or better in each class.
- Completion of all Gordon Rule requirements.

Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of "C" (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. Courses taken at Florida College System institutions do not substitute for upper division courses. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

BE 2020

UCF Business... the Best Undergraduate Business Education in Florida. In 1993 the UCF Business faculty established a goal to deliver the best undergraduate business education in Florida. The product of the alumni, faculty, business leaders, and students, the Business Education 2000 (BE2000) curriculum focused on four competencies that are integrated throughout all coursework: Teamwork, Communication, Creativity, and Adapting to Change. These four competencies were expanded in 2002 to include Ethics and Diversity. Today the BE 2020 degree program is a continuing refinement of the curriculum based on the ever changing needs of business. Faculty, working with representatives from the business community, help you develop these competencies as you work through the following required courses in the Business Core:

GEB 3031 Cornerstone
 GEB 3356 Introduction to International Business
 BUL 3130 Legal and Ethical Environments of Business
 ECO 3411 Quantitative Business Tools II
 FIN 3403 Business Finance
 MAN 3025 Management of Organizations
 MAR 3203 Supply Chain and Operations Management
 MAR 3023 Marketing
 MAN 4720 Strategic Management

Grade Point Average Requirements

For graduation the student must have maintained a minimum 2.0 GPA in course work taken in the College of Business Administration and a minimum 2.0 GPA in the course work required in the major, and a UCF minimum GPA of 2.0. In addition, all majors within the College of Business Administration also require a grade of "C" (2.0) or better in each course and prerequisite within the major.

College of Business majors must maintain a 2.0 or higher cumulative Grade Point Average in all classes taken within the College of Business Administration at UCF. Failure to maintain the required 2.0 GPA, will result in the student being placed on Lack of Progress (LOP) in the College. Lack of Progress in the College will continue until such time as the student's cumulative GPA, in all business courses reaches 2.0 or higher. If a student on LOP in the College of Business, fails to achieve a 2.0 cumulative minimum GPA in all business classes in the subsequent term, that student will be dropped as a Business major. A student who is dropped may seek re-admission as a Business major by submitting a petition indicating the reasons for academic difficulties and positive plans for achieving a College of Business GPA of 2.0 or higher. Readmission is not automatic.

Student Load

A student who is enrolled in 15 – 16 credit hours of course work is considered to be carrying a normal academic load. Students in the College of Business Administration desiring to take more than 17 credit hours in the Fall and Spring terms, and 14 credit hours in the Summer term must obtain permission from the College.

Community/Junior College Transfer Notes

- Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida's community and junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF's Business program. Only grades of "C" (2.0) or higher transfer into the program.
- Florida College System institution students are advised to complete the Associate of Arts Degree including:
 - The general education requirements, including Gordon Rule requirements;
 - All of the common program prerequisite courses.

- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/junior college courses.
- A minimum of 12 credit hours must be completed at UCF within each individual major and a minimum of 30 hours of upper level courses within the UCF College of Business.

Advisement

Undergraduate Student Services

Director: TBA

BA2 101; 407-823-2184

The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business. Degree requirements, registration, and any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Undergraduate Student Services staff in BA11 101 or by calling 407-823-2184. Visit USS's home page at: <http://www.bus.ucf.edu/students/undergraduate/>.

Programs and Degrees

Title	Degree
Accounting	BSBA, MSA, MST
Business Administration	MBA, Ph.D.
Economics	BA, BSBA
Finance	BSBA
General Business	BSBA
Management	BSBA, MS HR
Marketing	BSBA
Business (Regional campuses only)	BABA
Real Estate	BSBA, MSRE

Departments and Programs

Kenneth G. Dixon School of Accounting

Director: Sean Robb

BA 437; 407-823-2871

Assistant to Director: M. Hampton

BA 438; 407-823-5678

Faculty: Allen, Arnold, Dennis, Desai, Durham, Dwyer, Goldwater, Hampton, Hornik, Judd, Kelliher, Klintworth, Lako, Robb, Roberts, Roush, Schmitt, Smith, Sutton, Trompeter, Veit, Welch, Yu

Mission Statement

The mission of the Kenneth G. Dixon School of Accounting is to develop and deliver strong undergraduate and graduate programs, support and produce nationally and internationally relevant accounting research, and engage meaningfully with the academic and practitioner accounting communities.

Distinctive Benefits

- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching and research excellence.
- Over a dozen scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of the accounting and taxation programs.
- Outstanding pass rates on the CPA exam.

Degrees: Accounting (BSBA, MSA, MST, Ph.D.)

Minors: Accounting



College of Business Administration

Department of Economics

Chair: M. Dickie

BA2 305-D; 407-823-3266;

Email: economics@ucf.edu

Faculty: Aysun, Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzent, Gerking, Gibbs, Guldi, Hofler, Martin, Milon, Moore, Pennington, Potter, Scrogin, Soskin, Underwood

Faculty Advisors:

Michael Caputo

BA2 302Q, 407-823-1405

Email: mcaputo@ucf.edu;

D. Scrogin

BA2 302U, 407-823-4129

N. Underwood

BA2 302N; 407-823-1403

Economic issues dominate today's news and public debates more than ever before. Inflation, unemployment, health care, economic growth, pollution, poverty, and international economic relations are a few of these issues. The primary strength of Economics is that it provides a logical, ordered way of looking at most problems and issues. Undergraduate education in Economics equips individuals to both better understand and seek solutions to these issues.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program is to provide a broad-based liberal arts background that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and to provide the analytical skills that will allow them to resolve them.

Distinctive Benefits

- Flexible Curriculum: Students tailor the program to their individual interests through a large selection of electives.
- Interdisciplinary Linkages: Economics provides a solid foundation to link with many other disciplines allowing for a double major in Finance, Real Estate, Mathematics and Political Science.
- Teaching quality: Many of the Economics faculty have received Excellence in Teaching Awards.
- Opportunity for strong quantitative and analytical training.
- Student Organizations: The Economics Club is an active student organization linking students to Alumni.
- Excellent preparation for law school admission.

Degrees: Business Economics (BSBA)
Economics (BA)

Minors: Economics, Economic Policy

Department of Finance

Chair: A. Byrd

BA 409; 407-823-3575

Faculty: Ajayi, Anderson, Borde, Byrd, Chen, Choi, Curcio, Frye, Gatchev, Gilkeson, Gregg, Park, Ramanlal, Schnitzlein, Smith, Strum, Sweo, Turnbull, Whyte

The program in finance is designed to provide the student with broad knowledge in finance, including business finance, investments, financial institutions, international finance, risk management and insurance, and real estate. The program provides the student with the theoretical background and tools of analysis required for making effective financial decisions. The study of finance prepares the student for careers in business financial management, investments, banking and real estate.

Distinctive Benefits

- Students prepare for career opportunities in business and corporate financial management, commercial banking, real estate, investment management and counseling, investment banking, mortgage banking, multinational business, insurance and government.
- Students who major in finance are sought by both financial and non-financial firms.
- The rapidly changing domestic and international economies need individuals who have the skills to make sound financial decisions.

Degrees: Finance (BSBA), Real Estate (BSBA)

Minors: International Business, Real Estate, Finance

Certificates: Banking, Investments, Real Estate Brokerage, Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

General Business

Faculty Advisor: S. Goodman

BA 335; 407-823-2679

This option allows students to develop a general program of study which will satisfy career objectives not provided for by the specialized areas of concentration. To pursue this option, students should seek advisement in the Department of Management. An academic advisor will be assigned to assist each student in developing a meaningful program of study.

Degrees: General Business (BSBA, MBA, Ph.D.)

Minors: For non-Business majors

Department of Management

Chair: Stephen Goodman

BA 309; 407-823-2679

Faculty: Ambrose, Baz, Becker, Blencke, Boettcher, Ciuchta, Cleavenger, Connell, Crossley, Dagher, Danneels, Ford, Harris, Holland, Jarley, Jones, Kutkut, Leo, Migenes, Nichols, O'Donnell, O'Neal, Porter, Quinn, Rains, Rockmore, Saunders, Schminke, Taylor, Viggiano

Tomorrow's managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations. The curriculum is designed so that students can choose to concentrate in either of two specialized areas: Entrepreneurship or Human Resource Management. Alternatively, students can choose to major in General Management which allows them to take a broader variety of course work and prepares them for general management responsibilities.

The department's goal is to emphasize the expertise, knowledge, and skills necessary to be not only a team player, but ideally a team leader. Whether the student is studying leadership, motivation, staffing, or international management, the curriculum will sharpen students' skills in problem identification, analysis, and solution. This track can lead to a variety of rewarding careers in management positions throughout the organization. The department offers more specialized training - using the same approach - via our Human Resource Management track. Career paths include positions in training and development, personnel and employee relations, equal opportunity and labor relations, human resource consulting, and more. For students interested in starting their own business or working for smaller fast growing organizations, the department offers specialized training via the Entrepreneurship Track.

Distinctive Benefits

- Excellent faculty, known for their creativity and enthusiasm in the classroom, and their commitment to students in and out of the classroom.
- A broad-based training that will open up opportunities in high-growth career areas.
- Internships that provide real-world experience and enhanced job opportunities.
- A "hands-on," applied focus in our courses.

Degrees: Management (BSBA), Human Resources (MS)

Tracks: General Management, Entrepreneurship, Human Resource Management

Minor: Entrepreneurship

Department of Marketing

Chair: Ronald E. Michaels

BA2 307; 407-823-2108

<http://www.bus.ucf.edu/marketing/>

Faculty: Allen, Bhardwaj, Cole, Desiraju, Gundy, He, Joshi, Krishnamoorthy, Leon, Mao, Massiah, Mayfield-Garcia, Michaels, Quintance, Sooder, Steiger, Stock, Tafaghodijami, Vadakkepatt, Valdez, Wang

The marketing major provides a superior education in foundation areas such as research, consumer behavior, professional selling,



marketing management, and strategy. Our curriculum focuses on building skills in communication, teamwork, critical thinking, analysis, and thinking strategically. Among the things you will learn are how to conduct sales calls, analyze sales and profit reports, prepare marketing plans, and construct marketing strategies – knowledge and skills that will make you highly marketable and successful. A wide assortment of marketing electives is designed to let each student round out his/her education according to individual career interests, whether that might be retailing, advertising, e-business, research, professional selling, sport marketing, healthcare marketing, entertainment marketing, or services. The curriculum is delivered by highly-talented faculty members and offers you a superior educational experience while at UCF. Students majoring in marketing have the opportunity to earn a personalized certificate in any of seven special interest areas. The certificate program combines elective courses with an internship, and enhances your value to potential employers.

The department's highest visibility offering is the professional selling program (track within the major). Admission to this renowned program is competitive; application and interview are required. Scholarships for this program are available and awarded on a competitive basis. Please see our department website for more details.

A minor in marketing requires 19 hours. This course of study provides a strong basic education in marketing for College of Business students with majors other than marketing or students with majors from other Colleges. Earning a minor in marketing can add significant value and career flexibility for any UCF student with any major. Marketing internships are available (application necessary) and there are several vibrant marketing-related student organizations in which you can participate.

Distinctive Benefits

- Innovative curriculum for marketing majors and minors.
- Renowned Professional Selling Program is offered within the marketing major; application required.

- Seven certificate programs are available for marketing majors.
- A 19-hour marketing minor is available for students with majors other than marketing.
- Twenty dynamic faculty members are among the strongest teachers in the College.
- Comprehensive course offerings are available each semester and summer---you can finish!
- Strong emphasis on preparing students for careers in marketing management.
- Approximately 15 scholarships are awarded annually on a competitive basis.
- Opportunities to participate in internships and honors in the major programs.
- Opportunities to participate in student chapters of the Society for Marketing Professional Services, the Ad Club, and the Sales Club.

Degrees: Marketing (BSBA)

Tracks: Generalist, Professional Selling Program

Minor: Marketing

Certificates: Selling and Sales Management, Retailing Management, e-Marketing, Sports Marketing, Healthcare Marketing, Services Marketing, Entertainment Marketing

For more information, visit <http://www.bus.ucf.edu/marketing/> or call 407-823-2108. The department's office is located in BA2 307S.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://www.oas.ucf.edu/alc/alc_students_cba.htm



COLLEGE OF EDUCATION AND HUMAN PERFORMANCE



College of Education and Human Performance

Dean: Sandra L. Robinson
ED 308; 407-823-5529
<http://education.ucf.edu>

Executive Associate Dean for Academic Affairs: B. Grant Hayes
407-823-2046

Assistant Dean for Research: Andrew Daire
407-823-3906

The role of the College of Education and Human Performance at the undergraduate level is to provide a high-quality education for teacher candidates in preparation for careers in early childhood, elementary, secondary/K-12, technical education and industry training and students in sport and exercise science professions. The College of Education and Human Performance is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF's College of Education and Human Performance is the leading source of education baccalaureate degrees in the State of Florida.

Art Education
Early Childhood Development and Education
Elementary Education
English Language Arts Education
Mathematics Education
Science Education
Social Science Education
Sport and Exercise Science
Technical Education and Industry Training
World Languages Education

Success to Significance

- Among America's Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State program approval and National Accreditation
- Proven and promising practices
- Partnerships with twelve Central Florida school districts, including the Florida Virtual School
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies, such as TeachLivE
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Teaching Academy
- Toni Jennings Exceptional Education Institute
- Morgridge International Reading Center
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Teacher Recruitment and Retention Program
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly effective teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- Elementary and English Language Arts Education majors graduate with an ESOL Endorsement
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)

Admission to the College of Education and Human Performance

Admission to the College will be granted when students meet the following requirements:

- Complete the University General Education requirements or an equivalent (i.e. an AA degree from an approved Florida College System institution or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Development and Education.
- Pass all four parts of the General Knowledge Test (GKT). It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year. All teacher preparation programs require GKT.
- Complete education common program prerequisite courses with a minimum letter grade of "C-" (1.75) or better and a 2.0 GPA overall in the common program prerequisite area.
- Complete State University Foreign Language Admission requirement: 2 years in high school or 1 year in college of the same foreign language or American Sign Language.
- Complete Gordon Rule Requirement.
- **Complete a change of major request to move from education pending to the intended education major upon successful completion of admission requirements.**

Transfer Notes:

Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida College System institution are cautioned to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

New students will:

1. Be classified as education pending until admission requirements are met and a change of major request has been submitted.
2. Meet college advising representatives in a **group** setting during Orientation to:
 - a. Discuss College of Education and Human Performance admission requirements needed for enrollment in upper division education classes
 - b. Review degree program requirements
 - c. Understand expectations and responsibilities associated with a career in education
3. Be advised by the College of Education and Human Performance Undergraduate Advising office (ED 110) if their major is Elementary Education or Education Pending. Advising sessions may be scheduled by calling 407-823-3723.
4. Be assigned to an academic advisor in the area of their major upon completion of College of Education and Human Performance admission requirements. The advisor's name and email address appear on the Degree Audit and in myUCF to assist students in making an advising appointment.
5. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education and Human Performance based on program requirements.

Continuing students will:

1. Set up an appointment with their academic advisor **upon acceptance to their major**, or the Undergraduate Advising office if a **"Pending" major**, to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. View their Degree Audits through myUCF;
3. Register at scheduled appointment times in myUCF. Students must complete any changes to their schedules by the end of the published Add/Drop period;
4. Utilize LiveText software based upon program requirements; and
5. File an on-line "Intent to Graduate Form" by the end of the term prior to the term in which graduation is intended.

Office of Undergraduate Affairs and Partnerships

Executive Director: Bryan Zugelder

ED 110, 407-823-3723

<http://education.ucf.edu>

Located in the Education Complex in Suite 110, the Office of Undergraduate Affairs and Partnerships comprises Undergraduate Affairs, Undergraduate Advising, Recruitment & Retention, Clinical Experiences, and the UCF School & Community Partnership.

Mission Statement

The mission of Undergraduate Affairs and Partnerships is to promote student development and success through collaboration with College of Education and Human Performance faculty, staff, administrators and partners.

Clinical Experiences

Coordinator: Jodie Nichols

ED 110, 407-823-2518

<http://www.education.ucf.edu/clinicaexp/>

Clinical experiences provide students with a broad range of instructional opportunities in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of education programs and consist of early practicum experiences, as well as internships. Placement of students is the responsibility of the College of Education and Human Performance's Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education and Human Performance's local partnership districts.

Students must be aware: that criminal records may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

All applications for internships are accessed at the Clinical Experiences website and are approved by the Office of Clinical Experiences.

Once applications are approved by the Office of Clinical Experiences, students must register themselves for the internship course and co-requisites (if applicable).

Application deadlines for all Internships are:

February 15 for Fall semester

September 15 for Spring semester

Internship I

Internship I is a three semester hour experience. Students are assigned to work with state-defined, qualified supervising teachers. Students are enrolled in additional courses during the experience, outlined in the program listing of the catalog. Additional courses may be taken only with the consent of the academic program coordinator and department chair. The Internship I experience is completed locally and is arranged by the Office of Clinical Experiences.

Admission to Internship I

Admission to Internship I will be granted to students who have been admitted to the College of Education and Human Performance and who meet the following additional requirements at the time of application.

- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a "C-" (1.75)* or better in all prerequisite methods/specialization courses. However, a minimum overall GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Complete a formal application for Internship I online by deadlines listed above.
- Meet any special departmental or program requirements
- Be recommended by the faculty of the department of the student's major.

NOTE: It is highly recommended that students take and pass the FTCE Subject Area Examination and Professional Education Test before applying for Internship II.

College of Education and Human Performance

Internship II

Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program. Internship II is a 9-12 semester hour experience (depending on the program) normally completed during the student's last semester.

Admission to Internship II

Admission to Internship II will be granted when students have met the following requirements at the time of application.

- Successful completion of Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and **pass** the FTCE Subject Area Exam and Professional Education Test before applying for Internship II.
- Possess a minimum overall GPA of 2.5
- Possess minimum professional preparation GPA of 2.5*
- Possess minimum specialization GPA of 2.5*
- Achieve a "C-" (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas.
- Complete a formal application for Internship II by the published deadline
- Be recommended by the faculty of the department of the student's major
- Meet any special departmental or program requirements

The Internship II experience is completed locally and is arranged by the Office of Clinical Experiences in schools and districts where there are available placements.

*Some programs may specify a different GPA requirement for admission

Recruitment and Retention Program

Coordinator: Caroline Marrett

ED 110; 407-823-4409

<http://education.ucf.edu/mtrrp/>

Minority Teacher Recruitment and Retention Program (MTRRP)

The Minority Teacher Recruitment and Retention Program (MTRRP) is designed to recruit and retain diverse students as they prepare for a career in education. MTRRP provides future educators with financial assistance, academic support, and professional development. Each student admitted into the program is paired with a faculty mentor in the College.

Program Objectives

- Recruit and retain diverse students interested in careers in teaching
- Promote academic excellence and foster professional development
- Provide service learning opportunities
- Encourage community involvement and commitment

Scholarship Requirements

Students must meet the following criteria:

- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida resident
- Be admitted into the UCF College of Education and Human Performance as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application by the deadline
- Complete 20 hours of community service for each semester the scholarship is received

Application deadlines:

July 1 for Fall semester

November 15 for Spring semester

Undergraduate Advising

Director, Undergraduate Affairs: Andrea Small

ED 110, 407-823-3723

The Undergraduate Advising office assists students with orientation, registration information, general academic advisement, college and university academic requirements and graduation certification. Students are encouraged to make an early appointment with an aca-

ademic advisor. All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in appointments and advising sessions. Information regarding majors offered by the College of Education and Human Performance can be obtained in the Office of Undergraduate Affairs and Partnerships or at <http://education.ucf.edu/ugrad/Admission> to the University of Central Florida does not imply admission to the College of Education and Human Performance. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education and Human Performance **after they have been admitted to the College.**

Graduation Requirements

To qualify for graduation, a student must successfully complete all coursework to include a minimum overall GPA of 2.5 (2.75 for Early Childhood Development and Education majors), a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. In addition, students in state-approved initial teacher preparation programs must pass all applicable sections of the Florida Teacher Certification Exam (FTCE) and complete a portfolio according to program guidelines.

Alternative Certification for Non-Degree Students

All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or master's degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Human Performance and Teacher Education.

UCF School and Community Partnership

Executive Director: Bryan Zugelder

ED 110; 407-823-3723

The UCF School and Community Partnership is a consortium of the university, schools, community organizations and professional associations (local, state, national) and is based on the National Council for Accreditation of Teacher Education standards for Professional Development Schools (PDSs).

Department of Child, Family, and Community Sciences

Chair: Edward "Mike" Robinson

ED 209-E; 407-823-6106

Faculty/Academic Administrator: Brenda Thompson

ED 206-E 407-823-6579

Faculty: Butler, Cintron, Conley, Cox, Daire, Dieker, Edwards, Ezell, Hagedorn, Hayes, Hines, Hundley, Jones, Lambie, Little, Lue-Stewart, Munyon, Pratt-Marrett, Marino, Martin, Owens, Reyes-Macpherson, Richardson, Robinson, Taub, Van Horn, Vasquez, Vitale, Whiteman, Wienke, Young

See individual program websites and the graduate catalog for additional details. You can start by going to the department's website: <http://education.ucf.edu/departments.cfm>.

Department of Educational and Human Sciences

Chair: Jay R. Hoffman

ED 209-B; 407-823-1272

Faculty Administrator: TBA

http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences

Faculty: Bai, Berry, Biddle, Boote, Campbell, Clark, Duke, Fisher, Fragala, Gunter, Hahs-Vaughn, Harsthorne, Hirumi, Hoffman, Kian, Kuminka, Lanier, Sivo, Stout, Valdes, Witta, Xu

The Department of Educational and Human Sciences (EHS) primarily offers graduate courses and programs to prepare students in areas of Instructional Design & Technology; Research, Measurement & Evaluation; as well as Sport & Exercise Science. The EHS Department has one bachelor's level program: Sport and Exercise Science. Students majoring in Sport and Exercise Science B.S. can select one of the following areas: Coaching, Human Performance, or Community Sport & Fitness. The Department also offers a number

of graduate programs and provides graduate courses in educational research, measurement and statistics that are required courses or electives in a number of programs offered in other divisions in the college. In addition, the EHS Department offers both a Coaching and a Fitness Training Minor.

School of Teaching, Learning and Leadership

Director: Michael Hynes

ED 209-D; 407-823-2005

[http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership](http://education.ucf.edu/academics_departments.cfm#School%20of%20Teaching,%20Learning,%20and%20Leadership)

Faculty Administrators and Coordinators:

Lindsay Archambault

ED 206-F; 407-823-2881

Maria Cox

ED 206-D; 407-823-1763

Melissa Feyer

ED 209-F; 407-823-0303

Janet Zajac

ED 223H, 407-823-0523

Faculty: Albers-Biddle, Allen, Andreasen, Baldwin, Bawatneh, Becker, Behrens, Biraimah, Blessing, Boote, Brasel, Brewer, Brooks, Buchoff, Butler, Cardullo, Crittenden, A. Culp, R. Culp, Diaz, Dixon, Doherty, Englehart, Ergle, Eriksson, Everett, Frazee, Gill, Goodman, Gresham, Haciomeroglu, Hewitt, Hoffman, Hoffman, Holt, Hopp, Hutchinson, Hynes, Jeanpierre, Jennings, Kaplan, Kelley, Kerness, Kochan, Koger, Kula-Gunter, Levin, Luke, McLaughlin, Murray, Murray, Murray, Nutta, Olan, Ortiz, Roberts, Russell, Seeley, Short, Spalding, Stanley, Storey, Szente, Taylor, Trenta, Van Der Mark, Verkler, Walsh, Walters, Ward, Waring, Wenzel, Williams, Wise, Zajac, Zygouris-Coe

The School of Teaching, Learning and Leadership prepares candidates to work in a variety of school and community settings, such as Elementary Education, Secondary Education, Educational Leadership, and Early Childhood Development and Education*. The Elementary Education program is designed for prospective teachers interested in the education of children, who are primarily ages five through twelve. Upon program completion, candidates are eligible for Florida teacher certification, including ESOL and Reading Endorsements. Secondary Education programs are designed for prospective teachers interested in working with students in a specific content area, in middle/junior high or high school. Preparation includes special training in Biology, Chemistry, English (with ESOL Endorsement), Mathematics, Physics, or Social Science Education. Programs are available in K-12 areas, such as Art Education, Reading Education, and World Language Education (French or Spanish). The Educational Leadership master's programs provide the theoretical and conceptual knowledge base required for the principalship in Florida and other states. Ed.S. and Ed.D. students have advanced academic and practical experiences preparing them for leadership roles at the school district level, including the superintendency.

***Early Childhood Development and Education: Early Childhood Careers is an A.S. to B.S. program restricted to students graduating with an A.S. in Early Childhood Education from Seminole State College and will prepare individuals to work with infants, toddlers, and families in early childhood settings**

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education and Human Performance are located at: http://oeas.ucf.edu/alc/alc_studentscoe.htm



COLLEGE OF ENGINEERING AND COMPUTER SCIENCE



College of Engineering and Computer Science

Interim Dean: Michael Georgiopoulos

HEC 114; 407-823-2156

<http://www.cecs.ucf.edu>

Associate Dean for Academic Affairs: Charles Reilly

ENG1 107; 407-823-2455

Associate Dean for Research and Administration:

Ranganathan Kumar; ENG2 202; 407-823-2156

Assistant Dean for Distributed and Distance Learning:

Alfred Ducharme; ENG1 289; 407-823-5765

Director, Academic Affairs: Kim A. Small

ENG1 107; 407-823-2455

Director, College Honors Programs: Charles Reilly

ENG1 107; 407-823-2455

Director, Diversity and Inclusion: Ola Nnadi

ENG1 281; 407-823-3466

Undergraduate Majors and Degrees

Aerospace Engineering
Civil Engineering
Computer Engineering
Computer Science
Construction Engineering
Electrical Engineering
Environmental Engineering
Industrial Engineering
Information Technology
Mechanical Engineering

BSAE
BSCE
BSPE
BS
BSConE
BSEE
BSVE
BSIE
BS
BSME

Accelerated BS/MS Degree Program

All of the Engineering and Computer Science departments except for the Department of Civil, Environmental and Construction Engineering and the Information Technology Program are offering an Accelerated BS/MS degree program which will allow students of high academic standing to complete an MS degree at an accelerated pace. The

generic rule for students in this program is that they will be allowed to use up to twelve hours of selected 5000 and 6000 level courses with a grade of "B" or higher toward fulfillment of both the BS and MS degree requirements. Interested individuals should see the program descriptions in the graduate and undergraduate catalogs. They may also contact the department Undergraduate Coordinator and/or Graduate Coordinator if they have any further questions.

College Vision

Our Vision is to be recognized as one of the premier Colleges of Engineering and Computer Science locally, nationally, and internationally. While we are aware of the need to maintain our fundamental capabilities, we will pursue new opportunities in teaching, research, and outreach by leveraging UCF's strengths in innovative partnerships, effective interdisciplinary research, and a commitment to excellence, inclusiveness, and diversity.

College Mission Statement

Our Mission is to provide high-quality, broad-based education and experience-based learning in engineering and computer science; to create knowledge through pioneering scholarship and impactful research; to enrich our students' development and leadership skills; and to address pressing local, state, national, and international issues in support of the global community.

Our college is able to attract students who are remarkably bright and talented. They come to our college to learn and become the technological leaders of tomorrow. Our Engineering and Computer Science faculty are some of the best and brightest that one can find anywhere. They share with our students the excitement of discovery and creative research as they teach the problem solving and leadership skills that prepare our students to be productive members of society.

College Organization

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of five engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Electrical Engineering and Computer Science (EECS) Department, the Industrial Engineering and Management Systems (IEMS) Department, Material Sciences and Engineering (MSE) Department, and the Mechanical and Aerospace Engineering (MAE) Department. The Department of Electrical Engineering and Computer Science offers degree programs in Computer Science, Information Technology, and Electrical and Computer Engineering. The ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All departments of the Engineering and Computer Science Division offer advanced studies leading to master's degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>.

The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The AFROTC program offers a minor in Aerospace Studies, and the AROTC program offers a minor in Military Science.

The Honors Program in the College of Engineering and Computer Science

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students comprise academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists and the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, as well as visits to local and regional industries and to governmental and military research facilities.

There are two programs available to eligible CECS students: 1) the University Honors Program (see the section on the University Honors Program found in The Burnett Honors College section of this catalog); and 2) the Honors in the Major Program (HIM).

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and would like to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis.

In order to be admitted to the Honors in the Major program, the student must:

1. Have at least 60 credit hours, including at least 12 graded, upper division credit hours at UCF.
2. A minimum UCF GPA of at least 3.20 in all upper division courses.
3. A minimum GPA of 3.50 or more in the Engineering option courses.
4. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Dr. Charles Reilly, Engineering 1, Room 107. For more information about The Burnett Honors College programs, please visit their homepage at <http://www.honors.ucf.edu>.

The LEAD Scholars Program in the College of Engineering and Computer Science

Engineering and computer science students may also participate in the LEAD (Leadership Enrichment and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering and Computer Science Programs

Information on each UCF engineering, computer science, and information technology program follows, and more current information on the departments can be found on the College home page at <http://www.cecs.ucf.edu>, and on the home pages of each department. For the home page associated with a particular program, see

College of Engineering and Computer Science

the listing for that department on the following pages of this catalog. Information on the Photonics Science and Engineering program offered jointly with the College of Optics and Photonics may be found in the section about that college.

Department of Civil, Environmental, and Construction Engineering

Interim Chair: Essam Radwan

ENG2 211; 407-823-2841

<http://www.cece.ucf.edu>

Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Cooper, Duranceau, Hagen, Mackie, Madani, Nam, Nnadi, Oloufa, O'Riordan-Adjah, Radwan, Randall, Reinhart, Tatari, Wang, Yun, Zaurin

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnvE), and Construction Engineering (BSConE).

The Civil Engineering Program

The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a Project Design and Capstone Course, which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Civil Engineering graduate education and research.

Educational Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from physics such as vector mechanics and equilibrium.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.

9. Graduates will be able to complete a comprehensive civil engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.
10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

The Environmental Engineering Program

The Environmental Engineering major is concerned primarily with the interactions with humans and their environment and the planning, design, and control of systems for environmental quality management for water, land, and air environments.

Environmental Engineering students are required to take a Project Design and Capstone Course which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Environmental Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Environmental Engineering graduate education and research.

Educational Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in environmental engineering practice in areas such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from chemistry such as stoichiometry, kinetics, equilibrium and gases.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will be able to complete a comprehensive environmental engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.
10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.



The Construction Engineering Program

The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course which synthesize various prerequisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The prerequisites needed for the various project courses vary.

Mission

The Construction Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Construction Engineering graduate education and research.

Educational Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will demonstrate knowledge of estimating, scheduling, project control, resource allocation, risk management, and legal issues.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will demonstrate proficiency in the design of construction processes, methods, and safety.
10. Graduates will be able to complete a comprehensive real-world construction engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

The mission statement and objectives for the Civil Engineering, Environmental Engineering, and Construction Engineering programs are electronically posted and routinely updated. More information on the Civil and Environmental Engineering programs can be found on the CECE Department home page at <http://www.cece.ucf.edu>.

Department Policy for Double Degree in Civil, Environmental, and Construction Engineering

The faculty of the Civil, Environmental, and Construction Engineering Department believe that a double degree from the department should reflect a significant achievement and a significant increase in knowledge and formal coursework above the requirements for a single degree. Any undergraduate in Civil, Environmental, or Construction

Engineering desiring to obtain a double degree shall meet the following requirements:

- The student shall meet all individual requirements for each degree.
- The coursework must include two different design courses, one from each program, plus the capstone design course.
- Completion of requirements for both degrees must be in the same semester.
- The same catalog year must be used for both degrees.
- The student must have a minimum of 150 credit hours.

Additional notes:

- The extra hours represent at least one additional semester of full time enrollment.
- All majors completed will be indicated on the student's transcript.

Civil Engineering Major Pursuing Environmental Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: An Earth Science (GEP), A Biological Science (3hrs), CHM 2045C (4hrs), CHM 2046C (3hrs), CHM 2046L (1hr), ENV 4120 (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (3hrs), Water Resources Engineering 2 (3hrs), Environmental Engineering Operations & Processes 2 (3hrs), and an Environmental Design course (3hrs).

Civil Engineering Major Pursuing Construction Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 19 additional hours to earn a Bachelor of Science Construction Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: CCE 4004 (3hrs), CCE 4034 (3hrs), CCE 4402 (3hrs), CCE 4810C (3hrs), CCE 4813 (4hrs), ACG 2071 (3hrs).

Environmental Engineering Major Pursuing Civil Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Civil Engineering degree in addition to the Bachelor of Science Environmental Engineering degree. The additional courses are: CGN 3501C (3hrs), CE Measurements (4hrs), Highway Engineering (3hrs), CES 4100C (4hrs), CES 4605 (3hrs), CES 4702 (3hrs), and a Civil Design course (3hrs).

Department of Electrical Engineering and Computer Science

Computer Science Division

Chair: Gary T. Leavens

HEC 437D; 407-823-3957

Faculty: Abdallah, Bassiouni, Boloni, Chatterjee, da Vitoria Lobo, Dechev, Deo, Eisler, Foroosh, Gomez, Gonzalez, A.Guha, R. Guha, Heinrich, Hu, Hua, Hughes, Jha, Lang, LaViola, Leavens, Llewellyn, Marinescu, Montagne, Nedorost, Orooji, Pattanaik, Shah, Stanley, Sukthankar, Tappen, Turgut, Wocjan, A. Wu, Zhang, Zou

The Computer Science Program

The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online *Graduate Catalog*), and Doctor of Philosophy (see online *Graduate Catalog*) degrees in Computer Science. In addition, the program offers minors in Computer Science and Information Technology.

The program strives to meet the requirements for professional careers and research in software development and computing systems technology by producing graduates with a broad base of formal course work. Students may use restricted elective credit to concentrate their degree in one of many research areas, including computational biotechnology, computational complexity, computational geometry, computer architecture, computer graphics, computer networks, computer simulation, computer vision, databases systems, design and analysis of algorithms, distributed computing, digital media, evolutionary computing, graph theory, human-computer interaction, machine learning, mixed and virtual reality, multi-agent systems, natural language processing and knowledge-based systems, neural networks, operating systems, parallel processing, quantum computing, software engineering and VLSI design tools and hardware algorithms.



College of Engineering and Computer Science

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds from EECS. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the EECS home page at <http://www.eecs.ucf.edu/>.

Mission

The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and computing technology, and for a lifetime of learning.

Educational Objectives

1. To give CS graduates the knowledge and skills necessary to participate as effective team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications.
2. Prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.
3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance and administration.

Program Outcomes

1. All graduating CS majors, by the time of their graduation, shall be able to apply knowledge of computing and mathematics appropriate to the discipline; specifically to include the application of mathematics, science and engineering to solve and reason about computational problems.
2. All graduating CS majors, by the time of their graduation, shall be able to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. All graduating CS majors, by the time of their graduation, shall be able to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs and budget, by applying best practices in software development processes, methods, and tools.
4. All graduating CS majors, by the time of their graduation, shall be able to function effectively on teams to accomplish a common goal.
5. All graduating CS majors, by the time of their graduation, shall be able to demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.
6. All graduating CS majors, by the time of their graduation, shall be able to communicate effectively with a range of audiences; in particular, graduating majors shall demonstrate effective oral and written communication skills while disseminating technical information about computing technology and its applications.
7. All graduating CS majors, by the time of their graduation, shall be able to analyze the local and global impact of computing on individuals, organizations and society.
8. All graduating CS majors, by the time of their graduation, shall be able to recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.
9. All graduating CS majors, by the time of their graduation, shall be able to use current techniques, skills, and tools necessary for computing practices.
10. All graduating CS majors, by the time of their graduation, shall be able to apply mathematical foundations and computer science theory, in particular principles of algorithmic design and complexity analysis, in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
11. All graduating CS majors, by the time of their graduation, shall be able to apply design and development principles in the construction of software systems of varying complexity.

12. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.
13. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge and understanding of, and their ability to apply the concepts and design principles relating to: data structures, computer architecture and organization, programming languages, operating systems, and networks.

The Information Technology Program

The Information Technology program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer software, hardware, peripheral devices and their use in communication networks and information systems. IT-related disciplines include database engineering, network engineering, performance planning, system security, digital media design, and web server design. The program provides students a strong conceptual core, which will prepare them to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in technical writing, ethics in science and technology, human technology interaction, IT system integration, enterprise computing, and web-based IT will prepare these students to communicate in the parlance of the industries in which they choose to work. The curriculum also includes up to 12 hours of free electives that allow students to pursue a minor degree or concentration area such as education, health, business, or criminal justice, to which information technology may be applied.

Mission

The mission of the Bachelor of Science in Information Technology Degree Program is to educate students in the science and practices of information technology, preparing them for a lifetime of learning and for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.

Educational Objectives

The objectives of the Information Technology Program at UCF are that:

1. Graduates demonstrate the technical competence necessary for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.
2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.
3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

Program Outcomes

By graduation each student should be able to:

1. Apply knowledge of computing and mathematics appropriate to the discipline
2. Analyze a problem, and identify and define the computing requirements appropriate to its solution
3. Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs
4. Function effectively on teams to accomplish a common goal
5. Understand professional, ethical, legal, security and social issues and responsibilities
6. Communicate effectively with a range of audiences
7. Analyze the local and global impact of computing on individuals, organizations, and society
8. Recognize the need for and an ability to engage in continuing professional development
9. Use current techniques, skills, and tools necessary for computing practice.
10. Use and apply current technical concepts and practices in the core information technologies.
11. Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
12. Integrate IT-based solutions effectively into the user environment.
13. Understand best practices and standards and their application.
14. Assist in the creation of an effective project plan.



Electrical and Computer Engineering Division

Chair: Zhihua Qu

HEC 439C; 407-823-5942

Faculty: Abichar, Atia, Batarseh, Behal, Chan, DeMara, Elashhab, Fahim, Georgiopoulos, Gong, Haralambous, Jin, Jones, Lin, Liou, Lotfiard, Malocha, Mikhael, Qu, Richie, Shen, Seyed, Simaan, Suboh, Sundaram, Vosoughi, Wahid, Wang, Weeks, Wei, T. Wu, Yuan

The Electrical and Computer Engineering division offers baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BSCpE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.CpE), and Doctor of Philosophy (Ph.D.) are also offered (see online Graduate Catalog).

The curriculum provides an integrated experience including humanities and social sciences, mathematics and basic sciences, engineering core, computing, and design experience. The laboratory experiences appropriately combine theory and practice in the Electrical and Computer Engineering programs through a logical progression of courses. Design experiences start with the first circuits course, EEL 3004, and progress to the senior design capstone courses. This senior design experience is a two-semester sequence totaling six credit hours. Aspects of engineering economics, administration, oral presentation, professional issues such as ethics, safety and environmental impact are also covered in the design courses. The design projects required in the design course sequence address real-life problems, and the students work in a team setting. Also, several projects are developed jointly with our industrial partners.

The Computer Engineering Program

The Computer Engineering program contains a minimum of 63 credit hours of design experience, which includes courses listed as Embedded Systems and Computer Architecture (EEL 4742C and EEL 4768), Computer Science I (COP 3502C) and Digital Systems (EEE 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission

The mission of the UCF Computer Engineering Program is to develop and disseminate the theory and methods for the design, analysis, implementation, and improvement of computer hardware, software, and systems.

Educational Objectives

The objectives of the CpE Program at UCF are that:

1. Graduates demonstrate the technical competence necessary for engineering work in the areas of computer hardware, software, and computer communications.
2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.
3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

Program Outcomes

Graduates of the Computer Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering,
2. An ability to design and conduct experiments, as well as to analyze and interpret data,
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability,
4. An ability to function on multidisciplinary teams,
5. An ability to identify, formulate, and solve engineering problems,
6. An understanding of professional and ethical responsibility,
7. An ability to communicate effectively,
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,
9. A recognition of the need for, and an ability to engage in life-long learning,
10. A knowledge of contemporary issues,
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice,

12. A knowledge of probability and statistics, mathematics through differential and integral calculus, basic sciences, computer science, and engineering sciences necessary to analyze and design complex electrical and electronic devices, software, and systems containing hardware and software components, and
13. A knowledge of discrete mathematics.

The Electrical Engineering Program

The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4742C), Networks and Systems (EEL 3123C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/power electronics.

Mission

The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering

Educational Objectives

The objectives of the EE Program at UCF are that:

1. Graduates demonstrate competence leading to success in technical career within the areas of Electrical Engineering.
2. Graduates demonstrate competence in effective communication, teamwork, and leadership skills leading to a successful career in their profession.
3. Graduates demonstrate the pursuit of lifelong learning in their areas of interest, including graduate studies, membership in professional societies, and participating in training opportunities.

Program Outcomes

Graduates of the Electrical Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering
2. An ability to design and conduct experiments, as well as to analyze and interpret data
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
4. An ability to function on multidisciplinary teams
5. An ability to identify, formulate, and solve engineering problems
6. An understanding of professional and ethical responsibility,
7. An ability to communicate effectively
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,
9. A recognition of the need for, and an ability to engage in life-long learning,
10. A knowledge of contemporary issues
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
12. Knowledge of probability and statistics necessary for use in electrical engineering practice
13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variables.

The mission statement and objectives for the Computer Engineering and Electrical Engineering programs are electronically posted and continuously updated. More information on the Computer and Electrical Engineering programs can be found on the home page at <http://www.ece.ucf.edu>.

Department of Electrical Engineering and Computer Science Policies and Procedures

The Department's website (<http://www.eecs.ucf.edu>) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ's) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send email and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems

Chair: Waldemar Karwowski

ENG2 312; 407-823-2204; Fax: 407-823-3413

Faculty: Calabrese, Elshennawy, Geiger, Hoekstra, Karwowski, Kotnour, Lee, McCauley-Bush, Mollaghasemi, Pazour, Proctor, Rabelo, Reilly, Sepulveda, Thompson, Xanthopoulos

Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.

Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufacturing, distribution, and management system of organizations. In the service sector, the industrial engineer is concerned with determining the most productive manner in which to deliver high-quality service to the customer. In government organizations the industrial engineer is active in assuring that tax payers receive maximum service for their tax dollars.

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3354, to work methods and process flows in EIN 3314, and to facilities design and layout in EIN 4364. The design experience concludes with a real-world system design in the capstone course EIN 4891.

Mission

To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging jobs in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and inter-personal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:

1. To produce graduates who assume challenging or satisfying positions in the public or private sector.
2. To produce graduates who achieve professional growth through advanced studies and/or career development activities.
3. To produce industrial engineering professionals who recognize that engineering is a global service profession that must be practiced with integrity, honesty, and objectivity.

Program Outcomes:

1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
2. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
3. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations..
4. Students will effectively utilize industrial engineering design and problem-solving skills in classroom and real world projects.
5. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.
6. Students will be able to work with persons of varied backgrounds in classroom and real world projects.
7. Students will incorporate contemporary global, economic, and social perspectives into the practice of industrial engineering.

8. Students will be able to measure the impact of global and societal issues on industrial engineering solutions to modern practical problems
9. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.
10. Students will explore options for professional growth, including graduate study, conference attendance, and professional participation.

The mission statement and objectives for the Industrial Engineering programs are electronically posted and continuously updated. More information on the Industrial Engineering program can be found on the Industrial Engineering Department home page at <http://www.iems.ucf.edu>.

Department of Materials Science and Engineering

Interim Chair: Kevin Coffey

ENG1 207; 407-823-2175; Fax: 407-882-1462

Faculty: An, Coffey, Fang, Seal, Sohn, Vaidyanathan

The Department of Materials Science and Engineering currently offers undergraduate courses in materials science and engineering and interdisciplinary programs with core courses leading to the Master of Science (see online *Graduate Catalog*), and Doctor of Philosophy (see online *Graduate Catalog*) degrees in Materials Science and Engineering. A Bachelor of Science may be instituted in the near future. Materials Science and Engineering provides a broadly-based foundation in nano/microstructure, processing and manufacturing, properties and performance of materials for applications in all aspects of science and engineering.

The department strives to meet the requirements for professional careers and research in materials science and engineering with foundational course work and emphasis on hands-on laboratories and independent research experience. MSE seeks to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to "materialize" the design process to solve modern and relevant socio-economic challenges.

Details of facilities available for teaching and research may be found by following links from the MSE home page at <http://www.mse.ucf.edu/>.

Mission: Department of Materials Science and Engineering

The mission of the Department is to serve the industrial and academic needs of the University, the State of Florida, the nation and the international community by providing materials scientists and/or engineers with

- Ability to use fundamental and applied knowledge and the skills of the discipline in order to perform effectively in a broad range of industrial, governmental and academic positions.
- Clear awareness of ethics, quality, environments, economy, and safety.
- Focused as life-long learners, pursuing their personal and professional development to rise to positions of prominence in the technical society of tomorrow.

The department further will serve as the focal point and catalyst for the development of high quality, coordinated and visionary research and educational programs for the materials-oriented students and faculty throughout UCF.

Department of Mechanical and Aerospace Engineering

Chair: Suhada Jayasuriya

ENG1 307; 407-823-2416; Fax: 407-823-0208

Faculty: Bai, Q. Chen, R. Chen, Chew, Cho, Chow, Das, Deng, Fenton, Gordon, Gou, Hewavitharana, Ilegbusi, Ilie, Jayasuriya, Kapat, Kassab, Kauffman, Kumar, Lin, Liu, Minardi, Moslehy, Nicholson, Orlovskaya, Putnam, Raghavan, Suryanarayana, Vasu, C. Xu, Y. Xu

The Department of Mechanical and Aerospace Engineering offers undergraduate degree programs in Mechanical Engineering and Aerospace Engineering. The Aerospace Engineering program is



designed to provide a broadly-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in thermo-fluids and mechanical systems, including topics such as solid mechanics, dynamics and controls, vibrations, CAD/CAM/FEM, fluid mechanics, heat transfer, and structure and properties of materials.

Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering courses and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and concurrent design, and culminates in the senior capstone design courses. The use of computers and written and oral communication are part of the design experiences throughout the programs.

Mission: Aerospace Engineering

In support of the University and College missions, the Aerospace Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives

- 1. Career Preparation:** The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.
- 2. Skills:** To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in aerospace technology, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
- 3. Professionalism:** To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
- 4. Life-long Learning:** To produce graduates who believe that their undergraduate aerospace engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes

1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerospace materials, structures, propulsion, flight mechanics and stability and control. Students emphasizing astronautics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, and space systems concepts.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.

5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently using information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from aerospace engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.

Mission: Mechanical Engineering

In support of the University and College missions, the Mechanical Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives

- 1. Career Preparation:** The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize mechanical systems or energy systems and will have a command of corresponding engineering principles. Among the career opportunities are power generation, mobility engineering, manufacturing, nuclear applications, from zipper to space shuttle.
- 2. Skills:** To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in mechanical technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
- 3. Professionalism:** To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
- 4. Life-long Learning:** To produce graduates who believe that their undergraduate mechanical engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes

1. An in-depth understanding of engineering principles and mechanical concepts in a core area of engineering. Students will concentrate on mechanical systems or energy systems with an emphasis on design.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently using information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from mechanical engineering applications.

College of Engineering and Computer Science

9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary mechanical engineering applications of technology and their uses in engineering practice.

Department Policy for Double Degree in Mechanical and Aerospace Engineering

The faculty of the Mechanical and Aerospace Engineering Department believe that a double degree from the department should reflect a significant achievement and a significant increase in knowledge and formal coursework above the requirements for a single degree. Any undergraduate in Mechanical and Aerospace Engineering desiring to obtain a double degree shall meet the following requirements.

- The student shall meet all major requirements for each degree.
- Additional 22 credit hours beyond the major courses for the double degree should be upper level engineering related course work approved by the department and cannot be counted toward both degree programs.
- The same catalog year must be used for both degrees.
- The student must have a minimum of 150 credit hours.

Additional notes:

- The extra hours represent at least one additional semester of full time enrollment.
- All majors completed will be indicated on the student's transcript.

Aerospace Engineering Major Pursuing Mechanical Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 22 additional hours to earn a Bachelor of Science Mechanical Engineering degree in addition to the Bachelor of Science Aerospace Engineering degree. The additional courses are: Must take EML 3500: Machine Design. Must select 2 courses from the following 5 options: EML 3101: Thermodynamics of Mechanical Systems (3hrs) or EML 4xxx: Machine Design II (3hrs), or EML 4313: Intermediate Dynamics and Controls (3hrs), or EML 4143: Heat Transfer II (3hrs), or EML 4703: Fluid Mechanics II (3hrs). Must select 1 course from the following 2 options: EML 4306C: Energy Systems Lab (3hrs), or EML 4301C Mechanical Systems Laboratory (3hrs) and complete 10 credit hours of Approved Departmental Technical Electives.

Mechanical Engineering Major Pursuing Aerospace Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 22 additional hours to earn a Bachelor of Science Aerospace Engineering degree in addition to the Bachelor of Science Mechanical Engineering degree. The additional courses are: EAS 3101: Fundamentals of Aerodynamics (3hrs), EAS 3810C: Design of Experiments (3hrs), EAS 4200: Aerospace Structures (3hrs), EAS 4105: Flight Mechanics (3hrs), EAS 4134: High-Speed Aerodynamics (3hrs), EAS 4300: Propulsion Systems (3hrs) and 4 credit hours of Approved Departmental Technical Electives.

Reserve Officer Training Corps

Air Force ROTC (Aerospace Studies)

Chair: Colonel Todd Freece

Portable 501, Room 103; 407-823-1247, Fax: 407-823-2265

Faculty/Staff: Major Clark, Captain LaBrecque, Captain Pelouquin, TSgt. Stokes, SSgt. Sutton, and Mrs. McDade, Office Manager

The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the active duty Air Force. The department offers three-year, three and a half-year, and four-year, Air Force ROTC programs. The program provides on-campus study during the freshman through senior years to earn an Air Force commission while completing their studies. Also available is the Cross-Town program allowing community college transfer students to begin the Air Force ROTC program while dual enrolled in a designated community college for academic classes and at UCF as a non-degree seeking student for Air Force ROTC classes and activities. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force

retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC program. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at <http://airforce.ucf.edu> and the Air Force ROTC home page at <http://www.afrotc.com>.

Curriculum

Students enrolled in the Air Force ROTC program may major in any academic discipline and earn a minor in Aerospace Studies. A major is not offered by this department. AFROTC courses are listed under the prefix AFR. The curriculum is divided into two phases:

1. General Military Course (GMC)

The General Military Course is designed to give students their first exposure to the Reserve Officer Training Corps program during their freshman and sophomore years. The courses deal with the mission, organization, and structure of the US Air Force, and the development of air power into a prime element of American national security.

2. Professional Officer Course (POC)

The Professional Officer Course is designed to develop and hone managerial and officer skills during a student's junior and senior years. All students who seek a commission through the Air Force ROTC must complete the POC curriculum. The curriculum involves the study of concepts of leadership and management in the Air Force and an analysis of the formulation and implementation of American defense policy.

Leadership Laboratory

Leadership Laboratory is a required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

Requirements for entry into the Professional Officer Course

- Be at least 17 years of age at the time of acceptance
- Be able to complete the Professional Officer Course and complete all degree requirements prior to reaching age 29 if entering Flight Training, or before age 30 (can be waived to age 35) if entering a non-flying Air Force specialty
- Pass the Air Force Officer Qualifying Test
- Pass an Air Force medical examination
- Pass the Air Force Physical Fitness Assessment each semester
- Cumulative GPA of 2.5 or higher
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course
- Enlistment in the Air Force Reserve certifying agreement to complete the POC and accept an Air Force Commission. This enlistment is terminated upon receipt of a commission

Physical Conditioning

In addition to attending Leadership Laboratory, students enrolled in the Air Force ROTC program must also participate in physical conditioning. Physical conditioning is conducted on the UCF campus three days each week.

Monetary Allowance

All contracted students enrolled in the Professional Officer Course receive a tax-free monetary allowance of \$450 or \$500 per month based on their academic classification.

Air Force ROTC Scholarship Program

Scholarships are phased between two and four years and are awarded on a competitive basis. Depending on state residency and credit hours, these scholarships may provide for full tuition and fees, and an allowance for textbooks. Air Force ROTC scholarships do not provide funds for room and board expenses. For additional information on Air Force ROTC call 407-823-1247 or visit our website at <http://airforce.ucf.edu> or email us at AFROTC@ucf.edu. This information is subject to change.

Summer Training

All students must complete a four week summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL, prior to their formal enrollment in the Professional Officer Course Curriculum. This course includes junior officer training, officer career orientation, and physical conditioning, and training for operations from austere forward deployed locations.

Officer Commissioning

Students who complete the Professional Officer Course are appointed Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they will serve a mini-



mum active duty tour which varies in length depending on their particular career area (typically four years). Such obligations are explained in detail during the one-on-one counseling sessions conducted with each candidate by detachment officers.

Army ROTC (Military Science)

Chair: LTC Mario Johnson

Portable 501, Room 110; 407-823-2430; Fax: 407-823-5324
<http://army.ucf.edu>

Faculty/Staff: MAJ Manrique, CPT Anderson, SFC Reyes, SFC Martinez, SFC Flowers, Mr. Morales, Ms. Brown, Ms. Connor, Mr. Rivera, Ms. Acquaviva, Office Manager

The University of Central Florida, in cooperation with the US Army, provides students an opportunity to earn a commission as a Second Lieutenant after graduation and compete for an active duty assignment or accept a guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army's Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus. Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: <http://army.ucf.edu>.

Curriculum

The Military Science curriculum is designed to develop students' leadership potential and improve students' planning, organizational, and managerial skills. The on-campus curriculum is divided into two phases: Basic Military Science Course and Advanced Military Science Course.

1. Basic Military Science

A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001C, MSL 1002C, MSL 2101C, MSL 2102C). Students will also participate in a Field Training Exercise (FTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.

B. Requisites for admission to the Basic Course:

- Enrollment in a Baccalaureate or Master's degree program
- Full-time student status

2. Advanced Military Science

A. The Advanced Military Science courses (MSL 31201C, MSL 3202C, MSL 4301C, MSL 4302C) consists of four semesters of classroom instruction of two hours each week and a two hour leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students desiring to enroll in the Advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet pre-requisite requirements to contract and must obtain permission from the department chair (Professor of Military Science) through an interview process, prior to participating in the advanced course. They must also successfully complete a 32-day Leadership Development and Assessment Course at Fort Lewis, WA, normally between their junior and senior years.

B. Requisites for Admission to the Advanced Course:

- Successful completion of Basic Course or placement credit
- Must be at least 17 years of age at the time of entry but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34)
- Successful completion of an Army physical examination
- Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
- Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
- US Citizen
- A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

3. Monetary Allowance

All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of \$300 during the freshman year, \$350 during the sophomore year, \$450 during the Junior year and \$500 during the Senior school year.

4. Scholarships

Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board not to exceed \$10,000 and \$1,200 annually for books and fees. In addition, all contracted scholarship students also receive the monthly stipend during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

5. Placement Credit

Placement credit for the Basic Course can be offered to students with prior service, 3 years of Junior ROTC, and completion of the Leaders Training Course (see below). Placement credit for prior service is extended to include Active duty, Reserve Forces and National Guard. Although prior service and Junior ROTC waives the Basic Course, a student that qualifies for placement credit may elect to enroll in the Basic Course.

6. Daytona Beach Campus Students

These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, 904-239-6469. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

Summer Training Courses

1. Basic Course Summer Training (Leader Training Course)

Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students attending the summer course receive approximately \$800.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

2. Specialized Summer Training Courses

Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include: a) Airborne Training; b) Air Assault Training; c) Northern Warfare Training; d) Cadet Troop Leadership Training; and e) Mountain Training.

3. Leadership Development and Assessment Course (LDAC)

All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Lewis Washington prior to receiving a commission as an Army Officer. This camp evaluates a student's leadership performance and potential. LDAC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend LDAC the summer following their junior year and receive approximately \$800 pay for the training.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at:

http://oeas.ucf.edu/alc/alc_students_coecs.htm

COLLEGE OF HEALTH AND PUBLIC AFFAIRS



College of Health and Public Affairs

Dean: Michael L. Frumkin
HPA1 365, 407-823-0171
<http://www.cohpa.ucf.edu>

Associate Dean, Academic Affairs and Technology:
Ross Wolf, HPA1 365; 407-823-0171

Associate Dean, Research: Thomas Wan
HPA1 219; 407-823-0171

Associate Dean, Student/Personnel Affairs: Melvin Rogers
HPA1 365; 407-823-0171

Associate Dean: Dawn Oetjen
HPA1 365, 407-823-0171

The College of Health and Public Affairs houses seven departments and schools: the School of Social Work, the School of Public Administration, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, and Health Management and Informatics.

The College fosters excellence in undergraduate and graduate education, research and community service in health, social services and justice and offers an interdisciplinary Ph.D. program in Public Affairs.

General Requirements for the Bachelor's Degree

Some programs in the College are limited access or restricted. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the programs in Athletic Training and Health Informatics and Information Management. Separate application must be made to the appropriate program. Additional information regarding prerequisites and admission requirements may be found in this catalog.

Academic Advisement

Undergraduate Student Services

Director: Mariangelly Rente
HPA2 115, 407-823-0010
Email: hpainfo@ucf.edu

The College of Health and Public Affairs Undergraduate Student Services assists undergraduate students in understanding college and university requirements and procedures as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to stay on track by taking the appropriate prerequisite requirements. Advisors are available through the Outreach Program for students on probation or for those who are having academic difficulty. Questions concerning university and college academic policies should be directed through this office.

Programs and Degrees

Major	Degree
Athletic Training	BS
Communication Sciences and Disorders	BA, BS, MA
Criminal Justice	BA, BS, MS
Health Informatics and Information Management	BS
Healthcare Informatics	MS
Health Sciences - Pre-Clinical Track	BS
Health Services Administration	BS, MS
Legal Studies	BA, BS
Public Administration	BA, BS, MPA, MNM, MRA, MSURP
Public Affairs	PhD
Physical Therapy	DPT
Social Work	BSW, MSW

Department of Communication Sciences and Disorders

Chair: Barbara Ehren
HPA2 101, 407-823-4798
<http://www.cohpa.ucf.edu/comdis>

Clinic Director: Debra Knox
Research Pavilion Suite 155,
407-882-0468

Faculty: Barreneche-Doniger, Barrett, Carson, DiNapoli, Dreilinger, B. Ehren, T. Ehren, Harvey, Hoffman-Ruddy, Hostetter, Kent-Walsh, Knox, Kong, Lieberman, Nye, Parsons, Ratusnik, Resnick, Rivers, Rosa-Lugo, Ryalls, Schwartz, Utt, Vanryckeghem, Whiteside

The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is pre-professional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathologists or audiology assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician's offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers an courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA)
PhD in Education, Communication Sciences and Disorders Track

Tracks: None

Minors: Communication Sciences and Disorders

Certificates: Language Development and Disorders

Department of Criminal Justice

Interim Chair: Roberto Potter
HPA1 311 407-823-2603

Faculty: Adams, Bohm, Childs, Craig, Eastep, Flint, Ford, Gau, Henderson, Humiston, Jordan, Langworthy, Lucken, Mahan, Malendevych, Matusiak, Moreto, Paoline, Potter, Randall, Reynolds, Rhyne, Rosky, Ross, Sanborn, Surette, Watkins, Winton, Wolf

The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. Criminal Justice is a problem-based field of study which focuses on the nature of crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service. The Criminal Justice Department offers diverse courses and internships, leading to careers in the field, or preparation for graduate study. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society.

Degrees: Criminal Justice (BA, BS, MS)

Tracks: Scholars Track

Minors: Criminal Justice

Certificates: Crime Analysis and Crime Mapping, Criminal Profiling, Security Management, Victim Advocacy and Crime Scene Investigation

Department of Health Management and Informatics

Interim Chair: Reid Oetjen
HPA2 210; 407-823-2359

Faculty: Cortelyou-Ward, Douglass, Falen, Fottler, Liberman, Malvey, Masri, Noblin, D. Oetjen, R. Oetjen, Ramirez, Rotarius, Sumner, Unruh, Wan, West

The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

Program in Health Services Administration

The Bachelor of Science in Health Services Administration program is an upper-division professional curriculum that focuses on the managerial side of the health care industry. The program curriculum is designed to provide students with the necessary industry knowledge and job skills needed by entry-level managers in a variety of health care organizations. Program graduates are prepared for entry-level management positions in all types of health care organizations, including hospitals, ambulatory care centers, medical group practices, long-term care facilities, and home health care agencies. This program will also prepare students for study in advanced degrees in Health Services Administration or related disciplines.

The program attracts a diverse student population interested in health care management. Students without a background in the health care industry are attracted to this major and are able to build a foundation in health services administration in order to enter the industry. Some students who enter the program have clinical work experience such as respiratory therapists, emergency medical technicians, radiographers and medical laboratory technologists, while other students may hold an A.S. degree or a nationally recognized license.

The core requirements of the program have course work in areas such as health care systems, finance, administration, research, terminology, law, ethics and economics. In addition, students are encouraged to take additional elective courses that will enhance their background in the health care industry. Participation in an internship is also required. All core courses are offered as web-based as well as face-to-face.

The Bachelor of Science in Health Services Administration program is fully certified by AUPHA-The Association of University Programs in Health Administration.

Program in Health Informatics and Information Management

Health information managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Informatics and Information Management program is approved by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

The HIIM Program is a limited access program and requires a separate application to the program by March 1 of the year in which admission is sought. Graduates of the Health Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).

College of Health and Public Affairs

Department of Health Professions

Interim Chair: Kristen Schellhase

HPA2 118/119; 407-823-2214

Faculty: Angelopoulos, Hanney, Lytle, Pabian, Plant, Robinson, Rothschild, Rovito, Saleh, Schellhase, Shack-Dugre, Schutz, Smith, Tucker, Webster, Worrell

The Department of Health Professions offers a doctoral program in Physical Therapy, a baccalaureate program in Athletic Training and a Health Sciences - Pre-Clinical Track.

Program in Athletic Training

This is a competitive program that requires a separate application process following acceptance into the University. The program in athletic training at the University of Central Florida is a six semester program where students complete 12-15 credits per semester while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of an preceptor. These local affiliation sites include but are not limited to, high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to apply to take the Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

Degrees: Athletic Training (BS)

Tracks: None

Minors: None

Program in Health Sciences-Pre-Clinical Track

The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including, but not limited to: medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

Degrees: Health Sciences (BS)

Tracks: Pre-Clinical

Minors: Health Sciences

Department of Legal Studies

Chair: James Beckman

HPA1 343; 407-823-1670

Faculty: Bast, Beckman, Brown, Cook, Cronon, Flagg, Fromang, Kirby, Koblasz, Meltzer, Milon, Pons, Scott, Slaughter, Wood

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The Legal Studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Sciences in Legal Studies. The department houses Phi Alpha Delta, the Legal Studies professional society.

Degrees: Legal Studies (BA, BS)

Minor: Legal Studies

School of Public Administration

Director: Mary Ann Feldheim

HPA2 238; 407-823-2604

Faculty: Abels, Beitsch, Blessett, Bryer, Colby, Feldheim, Fisher, Hawkins, Hu, Jurie, Kapucu, Knox, Korosec, Krick, Lawther, Littleton, Liou, Nor-ris-Tirrell, Rogers, Smith, Sun, Wang

The School of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management, urban and regional planning, emergency management and homeland security. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services through nonprofit organizations. The School prepares students for professional careers in public service at the city, county, state and federal levels. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degree in Public Administration enables students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master's of Public Administration (MPA), the Master's of Nonprofit Management (MNM), the Master's of Science in Urban and Regional Planning (MSURP), or the Master's of Research Administration (MRA). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

Degrees: Public Administration (BA, BS, MPA, MNM, MRA, MSURP)

Tracks: None

Minors: Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Nonprofit Minor leading to National Certification by the Nonprofit Leadership Alliance

Certificates: Nonprofit Management

School of Social Work

Interim Director: Sophia Dziegielewski

HPA1 204; 407-823-2114

Faculty: Abel, Buckey, Burg, Gammonley, Hall, Hazlett-Knudsen, Kohn, Lawrence, Leon, Mann, Mazany, Molina, Ramos, Rothenberg, Steen, Walsh, Withers

The School of Social Work BSW Program (undergraduate social work program) prepares baccalaureate level students for entry level positions within diverse human service organizations. Today social workers are continuing their efforts in hospitals, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives. The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

The curriculum, nationally accredited by the Council on Social Work Education, aims to graduate social work generalists who can teach people how to create their own path and enhance their quality of life. Graduates will assist people in changing patterns of behavior, poverty, abuse, and oppression and help them to develop effective coping skills for life's challenges. The Social Work Program is a limited access program that requires a separate application to the School of Social Work.

If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master's in Social Work.

Degrees: Social Work (BSW, MSW)

Tracks: None

Minors: Aging Studies

Certificates: Aging Studies, Children's Services

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at:
http://oeas.ucf.edu/alc/alc_students_cohpa.htm



COLLEGE OF MEDICINE



College of Medicine

Vice-President for Medical Affairs and Dean: Deborah C. German
6850 Lake Nona Blvd., Suite 313, Orlando, FL 32827-7408
407-266-1000
<http://www.med.ucf.edu>

Associate Dean for Faculty and Academic Affairs and Interim Director, Burnett School of Biomedical Sciences: Richard Peppler
COM 313J; 407-266-1101
Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White
Associate Director of Facilities (Burnett School of Biomedical Sciences): Robert Genarro
Associate Director of Research (Burnett School of Biomedical Sciences): Sampath Parthasarathy
HPA2 335; 407-823-5932; Fax 407-823-3095

The UCF College of Medicine through its Burnett School of Biomedical Sciences (BSBS) offers the second largest undergraduate program in the university, B.S. in Biomedical Sciences, that meets the admission requirements for medical and other health professional school programs. The Burnett school is an integral part of the College of Medicine, making it a research-intensive medical school where cutting-edge medical research spans the entire spectrum from laboratory bench to bedside. BSBS is home to quality programs in the biomedical sciences as well as vigorous research programs focused on cancer, cardiovascular, neurological, and infectious diseases. The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. The college's medical and biomedical programs capitalize on UCF's existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

The mission of the Burnett School of Biomedical Sciences is to provide quality undergraduate and graduate programs in the biomedical sciences and build vigorous research programs. In addition to conducting cutting-edge research in biomedicine with potential application to curing major diseases, BSBS is committed to helping develop a technology-based industry in Florida. Active partnerships formed with other units such as the College of Optics and Photonics, the School of Electrical Engineering and Computer Science and the Nanoscience Technology Center will facilitate interdisciplinary research and education programs in the innovative application of photonics, bioinformatics and nanoscience to biomedical problems.

The Burnett school is educating over 2,700 undergraduate majors in the biomedical sciences including Biotechnology, Medical Laboratory

Sciences, and Biomedical Sciences (also including the Biomedical Sciences Pre-professional concentration). BSBS also offers master's degrees in Biomedical Sciences and in Biotechnology, as well as an interdisciplinary doctoral degree in Biomedical Sciences. The current graduate enrollment is approximately 120 masters and doctoral students. The college also offers an M.D. program at the new facilities. The M.D. program enrolled its first class in August 2009 and will annually increase the number of admitted students to a level that will produce 120 medical graduates each year. The current enrollment is approximately 360 M.D. students.

In addition to facilities on the main Orlando campus, the college has new facilities that are an integral part of the growing medical city at Lake Nona. The UCF Health Sciences Campus at Lake Nona includes the new 170,000-square-foot medical education building and the 198,000-square-foot Burnett Biomedical Sciences building. The M.D. program is offered in the medical education building, which features the latest in lab and classroom technology. The state-of-the-art research laboratories in the Burnett Biomedical Sciences building provide expanded research opportunities for undergraduate and graduate students.

Programs and Degrees

Program	Degree
Biomedical Sciences	B.S., M.S., Ph.D., Minor
Biomedical Sciences (Pre-professional Concentration)	B.S.
Biotechnology	B.S., M.S., M.S./M.B.A.
Medical Laboratory Sciences	B.S.
Medicine	M.D.

College of Medicine Mission, Vision and Goals

Mission

The University of Central Florida College of Medicine educates and inspires individuals to be exemplary physicians and scientists, leaders in medicine, scholars in discovery, and adopters of innovative technology to improve the health and well-being of all. Our patient-centered mission is achieved by outstanding medical care and services, groundbreaking research, and leading edge medical and biomedical education in an environment enriched by diversity.

Vision

The University of Central Florida College of Medicine will be the nation's premier 21st century college of medicine — a national leader in education, research, and patient care, recognized for supporting and empowering its students and faculty to realize their passion

College of Medicine

for discovery, healing, health, and life, and for its ability to create partnerships to transform medical education and health care.

Goals

- Achieve excellence in medical and biomedical education
- Excel in research and discovery in biomedical science, medical education, and health care
- Provide outstanding individualized patient care while transforming health care delivery
- Be America's leading partnership college of medicine
- Establish a diversified self-sustaining infrastructure to support future operations

Burnett School of Biomedical Sciences

Interim Director: Richard Pepler

COM 313J; 407-266-1101

Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White

Associate Director of Facilities (Burnett School of Biomedical Sciences): Robert Genarro

Associate Director of Research (Burnett School of Biomedical Sciences): Sampath Parthasarathy

HPA2 335; 407-823-5932; Fax 407-823-3095

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Biomedical Sciences (including the Biomedical Sciences, Pre-professional Concentration) and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. BSBS also offers M.S. programs in Biomedical Sciences, and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advisement Office (PHPAO), 407-823-2670, to assist applicants with preparation for admission to professional schools in health sciences. At this time, the Burnett School has over 2,550 undergraduate students and approximately 120 graduate students. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, the Biomolecular Science Center, and the Pre-Health Professions Advisement Office.

Program in Biomedical Sciences

Undergraduate Coordinator: Dorilyn Hitchcock

HPA2 339; 407-823-5932

Graduate Coordinator (M.S. program): Saleh Naser

BL 221; 407-823-0956

Graduate Coordinator (Ph.D. Program): Annette Khaled

BBS 355; 407-266-7035

Associate Graduate Coordinator (Ph.D. Program): Alexander Cole

BMS 236; 407-823-3633

The core curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The Restricted Electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of morphological, clinical, analytical or investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

Degrees: Biomedical Sciences (B.S., M.S., Ph.D.)
Biomedical Sciences Preprofessional Concentration (B.S.)

Tracks: None

Minors: Biomedical Sciences

Program in Biotechnology

Undergraduate Coordinator: Dorilyn Hitchcock

HPA2 339; 407-823-5932

Graduate Coordinator: Saleh Naser

BL 221; 407-823-0956

To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree pro-

gram prepares students to function in the industrial biotechnology/biomedical environment, providing them with more "hands on" laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

Degrees: Biotechnology (B.S., M.S., M.S./M.B.A.)

Tracks: None

Minors: None

Program in Medical Laboratory Sciences

Director: Dorilyn Hitchcock

HPA2 339; 407-823-5932

Medical laboratory scientists are involved in medical diagnosis, patient treatment, health screening, laboratory management, research, and laboratory education. They use highly sophisticated analytical equipment for the examination of blood and body fluids.

The curriculum is designed to give students a thorough background in the physical and biological sciences; to develop the necessary laboratory skills and essential skills to assume leadership roles in management and education. It also prepares students in the development of a high level of proficiency in correlating clinical data.

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size to be selected is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.

The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st, but applications will be accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS, 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119) and is approved as a training program by the State of Florida Board of Clinical Laboratory Personnel.

Degrees: Medical Laboratory Sciences (B.S.)

Tracks: None

Minors: None

Office of Student Services and Advisement (OSSA)

Director: Amanda Colee

HPA2 335A; 407-823-5932;

Academic Advisor: Cynthia Contreras

HPA2 336; 407-823-5932;

Academic Advisor: Ana Maria Schwindt

HPA2 337; 407-823-5932

Email: bcbinfo@ucf.edu

The Office of Student Services and Advisement (OSSA) is the primary office for undergraduate academic advisement in the Burnett School of Biomedical Sciences. OSSA assists Biomedical Sciences, Biotechnology, and Medical Laboratory Sciences students in orientation, registration, university policies and procedures, major requirements, course substitutions, and graduation certification. Students interested in pursuing the Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

Pre-Health Professions Advisement Office

Director: Genaro Lopez

HPA1 124; 407-823-2670

The Pre-Health Professions Advisement Office (PHPAO) (PHPAO) serves students university-wide in preparing for and seeking admission to professional health science schools, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry.

For more information regarding this office, please refer back to the "Academic Advising" section of this *Undergraduate Catalog*.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oeas.ucf.edu/alc/alc_students_bcb.htm



COLLEGE OF NURSING

College of Nursing

Dean: Jean Leuner
UTWR 3RD floor; 407-823-5496
Email: ucfnurse@ucf.edu
<http://www.nursing.ucf.edu>

Associate Dean Undergraduate Affairs: Linda Hennig
UTWR 3rd floor; 407-823-4941

Associate Dean Graduate Affairs Susan Chase
UTWR 3rd floor; 407-823-3079

Faculty: Allred, Andrews, Aroian, Blackwell, Burr, Bushy, Chase, Conner, Covelli, D'Amato-Kubiet, Decker, Desmarais, Dever, DiChiara, Draves, Forlaw, Gibson-Young, Gonzales, Heglund, Hennig, Howe, Hoyt, Ladores, LaManna, Landreville, Leli, Leuner, Loerzel, Lopp, Mayer, MacDonald, Morse, Neubauer, Norris, Quelly, Ricci, Ritten, Sole, Talbert, Waldrop, Wink

The College of Nursing is the 11th college to be established at the University. It was established as a Department of Nursing and graduated its first class in 1981. The college has achieved prominence as an innovator in nursing education, responding to a changing population with complex health care needs. The faculty of the college values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master's and doctoral levels.

Today's challenging health care environment provides unique opportunities for nursing. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research, and influence policy.

The mission of the College of Nursing is to offer high quality undergraduate and graduate academic programs designed to prepare nurses to practice in a continuously changing health care environment; to provide innovative access to education and research; to develop nurse clinicians, leaders and scholars who promote the health of diverse populations in local, national and global communities; and to touch lives lead by example and make a difference through clinical excellence, research and community service.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. Contact the College of Nursing for specifics on the RN to BSN program. Courses are offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses, as well as online.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this

program. A certificate in Nursing Education is available for students with a bachelor's degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research.

The Doctor of Nursing Practice (DNP) prepares nurse clinicians and nurse practitioners for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice

including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN, MSN, and DNP, programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)

Tracks: RN to BSN, Basic BSN, Accelerated BSN degree, ASN to BSN Concurrent, AS to BSN, RN to MSN

Minors: None



General Requirements for the Bachelor's Degree

- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college website: <http://www.nursing.ucf.edu>

Academic Advisement

Office of Undergraduate Student Services

UTWR 3rd floor; 407-823-2744
Email: ucfnurse@ucf.edu
<http://www.nursing.ucf.edu>

The College of Nursing Office of Undergraduate Student Services assists students in understanding matters relating to college and university requirements and procedures, as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to take the appropriate prerequisite requirements. Advisors are available through the Outreach Program for students on probation or for those having academic difficulty. Questions concerning university and college academic policies should be directed through this office.

Programs and Degrees

Major Degree

Nursing BSN, MSN, PhD, DNP

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oeas.ucf.edu/alc/alc_students_con.htm

COLLEGE OF OPTICS AND PHOTONICS

CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh
CROL 206; 407-823-6800
Email: info@creol.ucf.edu
<http://www.creol.ucf.edu>

Associate Dean: David J. Hagan

Faculty: Abouraddy, Amezcua-Correa, Bass, Baudelet, Cerqua-Richardson, Chang, Christodoulides, Delfyett, Deppe, Dogariu, Fathpour, Glebov, Gaume, Hagan, Kar, Khajavikhan, Kik, Kuebler, Li, LiKamWa, Moharam, Richardson, Saleh, Schoenfeld, Schulzgen, Shah, Silfvast, Soileau, Stegeman, Van Stryland, Vodapyanov, Wu, Zeldovich

Undergraduate Degree

Photonic Science and Engineering

BSPSE

The College of Optics and Photonics (COP) was formed in 2004, as a result of the great success of CREOL (the Center for Research and Education in Optics and Lasers), which was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida's high technology-based industries. The College has offered MS and PhD degrees in Optics for many years and now offers the degree of Bachelor of Science in Photonic Science and Engineering in collaboration with the College of Engineering and Computer Science (CECS).

CREOL has become an internationally recognized institute with 30 faculty members, 63 Ph.D. level research scientists, and 120 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over \$50 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program.

The research activities, through centers such as CREOL, the Florida Photonics Center of Excellence (FPCE) and the Townes Laser Institute, span the spectrum from basic science to prototype develop-

ment. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include:

The faculty engage in research and education in fields utilizing radiation at wavelengths ranging from millimeter waves and THz to UV and X-rays. This includes several photonic technologies: 1) lasers, 2) optical fibers, 3) semiconductor and integrated photonic devices, 4) nonlinear and quantum optics, and 5) imaging, sensing and display. These technologies have applications in industry, communication and information technology, biology and medicine, energy and lighting, aerospace, and homeland security and defense. Design of optical systems, which has been the core of optical engineering, remains to be a principal component of the discipline, and advanced topics such as nanophotonics, attosecond optics, metamaterials, plasmonics, and biophotonics, have been embraced as areas of strength and future growth. These programs are supported by over \$10 million of research grants and contracts annually from numerous federal and state agencies and industry.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 70 members, provides industry with benefits of ready access to cutting-edge research and to the expertise and facilities of the College. Faculty members also team with small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.

Advisement

Since the Photonic Science and Engineering Bachelor's degree is jointly offered with CECS, advisement on general engineering requirements is available through the CECS Academic Affairs Office. Program Specific Advisement is available through the COP Associate Director, Academic Support Services. Contact the CREOL main reception.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Optics and Photonics are located at:

http://oeas.ucf.edu/alc/academic_learning_compacts.htm



COLLEGE OF SCIENCES



College of Sciences

Dean: Michael Johnson
CSB 201A; 407-823-1997
<http://www.cos.ucf.edu>

Associate Dean: Cynthia Young
CSB 201A; 407-823-1912
Associate Dean: Jack M. McGuire
CSB 201A; 407-823-3684
Associate Dean: Teresa Dorman
CSB 201A; 407 823-5167

The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics; the Nicholson School of Communication; and the National Center for Forensic Science.

The College is responsible for all programs in the sciences and the departments collectively offer 55 undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs. For information concerning graduate programs, please refer to the Graduate Catalog: <http://www.graduatecatalog.ucf.edu>.

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve at least a "C" GPA (2.0) in the courses of his or her major and/or minor as defined by each department (see program specific requirements). Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major (see "Foreign Language Requirements" under specific program requirements).

Preprofessional Programs

Prelaw Program

Prelaw Advisor: Roger Handberg
PH 302; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

Prehealth Professions

The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional Concentration for additional information.

Advisement

College of Sciences, Academic Services (COSAS)

Director of Undergraduate Services: Lee Anne Kirkpatrick
CSB 250; 407-823-6131
Email: cosas@ucf.edu
<http://undergraduate.cos.ucf.edu/>

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College

of Sciences. COS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the "First Year" advising offices should make an appointment with their COSAS advisor by the end of the fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation as well as students with low major GPAs. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our website.

Programs and Degrees

Title	Degree
Actuarial Science	Minor
Advertising-Public Relations	BA
Anthropology	BA, MA, Minor
Anthropology in Multicultural Studies	Minor
Astronomy	Minor
Behavioral Forensics	Undergraduate Certificate
Biology	BS, MS, Minor
Biology-Preprofessional	BS Concentration
Biomedical Sciences	PhD
Chemistry	BS, MS, PhD, Minor
Chemistry-Biochemistry	BS Track
Clinical Psychology	MA
Communication	MA
Computer Forensics	Graduate Certificate
Conservation Biology	PSM, PhD, Graduate Certificat
Crime Scene Investigation	Undergraduate Certificate
Crime, Law, and Deviance	Minor
Diplomacy	Minor, Undergraduate Certificate
Diversity & Social Inequality	Minor
European Studies	Minor
Forensic Science	BS, MS
Global Peace & Security Studies	Minor
Human Communication	BA, Minor
Industrial/Organizational Psychology	MS
International & Global Studies	BA, Minor
Journalism	BA
Journalism Studies	Minor
Magazine Journalism	Minor
Mass Communication	Minor
Mass Culture & Collective Behavior	Minor
Mathematical Biology	Minor
Mathematics	BS, Graduate Certificate, MS, PhD, Minor
Maya Studies	Graduate Certificate
Medical Anthropology	Minor
Medical Sociology	Minor
Native American Studies	Undergraduate Certificate
North American Indian Studies	Minor
Physics	BS, MS, PhD, Minor
Political Science	BA, MA, Minor
Political Science-Pre Law	BA Track, Minor
Psychology	BS, MA, MS, PhD, Minor
Radio-Television	BA
SAS Data Mining	Graduate Certificate
Security Studies	PhD
Social Sciences	BS
Sociology	BA, MA, PhD, Minor
Statistics	BS, MS, Minor



Departments, Schools, and Programs

Department of Anthropology

Chair: Arlen F. Chase
PH 309; 407-823-2227
Email: anthro@ucf.edu
<http://anthropology.cos.ucf.edu/>

Graduate Coordinator: Ty Matejowsky; *Tosha Dupras*
Assistant Chair and Undergraduate Coordinator: John Schultz

Faculty: Barber, A. Chase, D. Chase, Dupras, Geiger, Groff, Howard, Long, Matejowsky, McIntyre, Mishtal, Reyes-Foster, Schultz, Sinelli, Toyne, Walker, Wheeler; Professors Emeritus: Lieberman, Stearman, Wallace

The Department of Anthropology offers courses and programs that lead to: a Bachelor of Arts in Anthropology; a minor in Anthropology with concentrations in general anthropology, archaeology, cultural anthropology, and physical anthropology; a minor in Anthropology in Multicultural Studies; a minor in Native American Indian Studies; a minor in Medical Anthropology, an undergraduate certificate in forensics; a graduate certificate in Maya Studies; and, a Master of Arts in Anthropology with focus areas in Cultural Competency, Archaeological Investigations in Forensics and Human Adaptations, and Maya Studies. The Undergraduate Anthropology Program prepares students for graduate training in Anthropology and provides them with the skills needed to apply the concepts, methods, and theories of Anthropology in the real world. Anthropology has four sub-disciplines, consisting of language and culture, cultural anthropology, physical anthropology, and archaeology. While undergraduate students are exposed to each of the sub-fields of Anthropology, the training for advanced work in each field differs. Thus, students should consult with their departmental advisor early in their academic careers.

Degrees: Anthropology (BA, MA)

Minors: Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Medical Anthropology, North American Indian Studies

Certificates: Crime Scene Investigation (undergraduate), Native American Studies (undergraduate), Maya Studies (graduate)

Department of Biology

Interim Chair: Laurie von Kalm
BL 301; 407-823-1333
Email: biology@ucf.edu
<http://biology.cos.ucf.edu/>

Associate Chair: Eric Hoffman
Undergraduate Coordinator: Frank Logiudice

Faculty: Crampton, Dierksen, Donnelly, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, King, Klowden, Logiudice, Noss, Parkinson, Quintana-Ascencio, Song, Sotero, Souta, Stern, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Weishampel, Worthy; Professors Emeritus: Ehrhart, Ellis, Kuhn, Koevenig, Osborne, Snelson, Stout, Sweet, Taylor

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a Professional Science Masters in Conservation Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservation Biology, and participates in an interdisciplinary Ph.D. program in Biomolecular Sciences. The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background provides flexible career opportunities for graduates, including science-related employment and professional or graduate schools. Selection of electives, in consultation with a faculty advisor, permits emphasis on a subspecialty. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study.

Degrees: Biology (BS, MS), Conservation Biology (PSM, PhD)

Concentration: Biology Pre-professional (BS)

Minors: Biology

Department of Chemistry

Chair: Kevin D. Belfield
PS 255; 407-823-2246
Email: chemstaff@ucf.edu
<http://chemistry.cos.ucf.edu/>

Associate Chair and Undergraduate Coordinator: Pedro Patino
Undergraduate Coordinator, Forensic Science: Gerald Mattson

Faculty: Ballantyne, Belfield, Blair, Campiglia, Chumbimuni-Torres, Clausen, Daoudi, Dixon, Elsheimer, Frazer, Harper, Hampton, Hernandez, Hickman, Igarashi, Kolpashchikov, Kuebler, Kujawa, Liao, Mattson, Miles, Miller, Patino, Rex, Richardson, Sigman, Ye, Yestrebysky, Yuan, Zou

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)

Tracks: Biochemistry (BS), Forensic Analysis (BS, MS), Forensic Biochemistry (BS, MS)

Minors: Chemistry

Nicholson School of Communication

Director: Robert C. Chandler
NSC 240; 407-823-2683
<http://communication.cos.ucf.edu/>

Assistant Director: Boyd Lindsley
NSC 240A; 407-823-6751
Nicholson Academic Student Services Center (NASSC)
NSC 143; 407-823-2681;
Email: nassc@ucf.edu

Faculty: Akita, Bagley, Barfield, Brown, Brunson, Chandler, Collins, Coombs, DeLorme, Dusseau, Graham, Hanlon, Hastings, Hodgson, Holladay, Hudock, Ihde, Katt, Kinnally, Lindsley, Malala, Matusitz, McCafferty, McCain, Miller, Musambira, Neel, Neuberger, Pynn, Rice, Rubenking, Sandoval, Shook, Sublette, Voss, Weger, Workman, Young; Faculty Emeriti: Fedler, O'Keefe, Pryor, Taylor, Wycoff

The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The school is composed of four program areas each of which offer Bachelor of Arts degrees. The degrees are:

1. **Advertising-Public Relations:** Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.
2. **Human Communication:** Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with other human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.
3. **Journalism:** Provides knowledge of theory and skills needed for careers as a mobile and digital journalist (newspapers, magazines, broadcast, and online forms of mass communication).
4. **Radio-Television:** Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-television, including content creation, media production, broadcast journalism, media management and programming/promotions in a broadcast, cable online or corporate environment.



Facilities

The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television program has fully-equipped audio and video production facility, a complete multi-camera television studio, an online radio station and laboratories for interactive multimedia. The Journalism program has a computer writing and media lab. The Advertising-Public Relations program has a computer writing and media lab. The Human Communication program has a presentational speaking classroom equipped for audio/video record/playback and computerized visual presentation. The Human Communication program also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

Degrees: Advertising-Public Relations (BA), Communication (MA), Human Communication (BA), Journalism (BA), Radio-Television (BA)

Specializations: Broadcast Journalism, Production, Broadcast Generalist

Minors: Journalism Studies, Human Communication, Magazine Journalism, Mass Communication

Department of Mathematics

Chair: Piotr Mikusinski
MSB 209; 407-823-2826
Email: math@ucf.edu
<http://math.cos.ucf.edu>

Associate Chair: Joseph P. Brennan
MSB 212; 407-823-2710

Assistant Chair: Tammy M. Muhs
MSB 215A; 407-823-4424

Undergraduate Coordinator: Constance M. Schober
MSB 312; 407-823-6284

Faculty: Bolano-Delahoze, Brennan, Cannon, Capursi, Carlson, Choudhury, Dunlop-Pyle, Dutkay, Griffiths, Han, Higgins, Islas, Katsevich, Kaup, Lee, Li, Martin, Michalak, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Neval, Pensky, Plemmons, Porchia, Qi, Reid, Richardson, Rollins, Ronkese, Schober, Shivamoggi, Shuai, Smith, Song, Sun, Swanson, Tamasan, Tovbis, Vajravelu, Yong, Young, Zhao

The Department of Mathematics offers courses and programs leading to a Bachelor of Science in Mathematics, a minor in Mathematics, a Graduate Certificate in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve:

1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use mathematics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. The Department offers service courses in pre-calculus and calculus along with strong programs in the upper division in the areas of algebra and analysis as well as the areas of applied and computational mathematics.

The department does not award credit by examination for courses that are regularly taught. Students who have mastered the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistantships are available for qualified graduate students.

Degrees: Mathematics (BS, MS, PhD)

Certificate: Mathematics (graduate)

Minors: Mathematics, Mathematical Biology

Department of Physics

Chair: Talat Rahman
PS 430A; 407-823-5785
Email: physics@ucf.edu
<http://physics.cos.ucf.edu/>
Associate Chair: Joshua Colwell
PS 434; 407-823-2012
Undergraduate Coordinator: Elena Flitsiyan
PS 430; 407-823-2325

Faculty: Alcantara Ortigoza, Al-Rawi, Bhattacharya, Bindell, Bradley, Britt, Brueckner, Campins, Chang, Chen, Chernyak, Chow, Colwell, Cooney, Del Barco, Daoudi, Dubey, Efthimiou, Fernandez, Flitsiyan, Gonzalez Garcia, Harrington, Heinrich, Hong, Ishigami, Johnson, Kara, Khondaker, Klemm, Kokoouline, Leuenberger, Luo, Martin, Montgomery, Mucciolo, Palotai, Peale, Rahman, Roldan-Cuenya, Saha, Schulte, Stolbov, Tatulian, Turkowski, Velissaris, Zhao, Zhmudsky; Faculty Emeritus: Bose, Brennan, Llewellyn; Distinguished Professor: Liboff

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department's research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and planetary science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

Degrees: Physics (BS, MS, PhD)

Tracks: General Physics (with specializations in Materials Physics, Optics & Lasers, Computational Physics, and Astronomy)

Minors: Astronomy, Physics

Department of Political Science

Chair: Kerstin Hamann
HPH 302; 407-823-2608
Email: politics@ucf.edu
<http://politicalscience.cos.ucf.edu/>

Assistant Chair: Barbara Kinsey
Undergraduate Coordinator: Robert Bledsoe
PH 302; 407-823-2608

Faculty: Benson, Bledsoe, Bradford, Dolan, Dupuis, Fine, Hamann, Handberg, Houghton, Ilderton, Jacques, Jewett, Kiel, Kim, Kinsey, Knuckey, Lanier, Marien, Mirilovic, Morales, Pollock, Sadri, Schafer, Turcu, Vasquez, Vieux, Vites, Wilson, Young

The Department of Political Science seeks to:

1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where knowledge of government and politics is necessary;
2. Provide students with a broad background in pre-law to facilitate their admission to law school;
3. Prepare students for teaching, research, and graduate study in Political Science;
4. Provide a broad background for careers in politics; and
5. Educate citizens and promote their active interest in public affairs.

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A. The Department of Political Science participates in the following programs:

College of Sciences

- African American Studies: Contact Kurt Young.
- Asian Studies: Contact Houman Sadri or Myunghee Kim.
- Diplomacy: Contact Roger Handberg.
- Environmental Studies: Contact Dwight Kiel or Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global Peace and Security Studies: Contact Paul Vasquez.
- International and Global Studies: Contact Waltraud Q. Morales or Paul Vasquez.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson.
- Middle Eastern Studies: Contact Houman Sadri.
- Space Studies: Contact Roger Handberg.
- Women's Studies: Contact Terri S. Fine.

Degrees: Security Studies (PhD), Political Science (BA, MA), International and Global Studies (BA)

Tracks: Prelaw

Minors: Political Science, Political Science/Prelaw, Diplomacy, Global Peace and Security Studies, European Studies, International and Global Studies

Certificates: Diplomacy

Department of Psychology

Chair: Jeffrey Cassisi

PSY 301L; 407-823-2216

Email: psychinfo@ucf.edu

<http://psychology.cos.ucf.edu/>

Associate Chair: Bernard Jensen

Assistant Chair: Alisha Janowsky

Undergraduate Program Coordinator: Karen Cox

Faculty: Azimi, Bach, Bedwell, Beidel, Berman, Beus, Bohil, Bowers, Brophy-Ellison, Cassisi, Chestnut, Chin, Cox, Dipboye, M. Dunn, S. Dunn, Fouty, Fritzsche, Fullick, Ghasinejad, Hancock, Hitt, Janowsky, Jensen, F. Jentsch, K. Jentsch, Joseph, Kennerley, McConnell, McGuire, Moseley, Mottarella, Mouloua, Murdoch, Neer, Negy, Neider, Rapport, Renk, Reynoso, Rinalducci, Salas, Saunders, Sims, Smither, Storm, Szalma, Wang, White, Whitten, Wooten, Wright; *Faculty Emeritus:* Abbott, Burroughs, Gilson, Morgan, Pritchard Rollins, Thomas-Jenkins, Tucker

The undergraduate program of the Department of Psychology reflects the scientific nature of the field and has three primary goals. The first is to provide students graduating with a B.S. in psychology with knowledge of the basic theories and research in psychology. The second is to provide critical thinking, writing skills, and knowledge of research and statistical concepts so graduates can apply these concepts to their work, community, and lives. Finally, we prepare our graduating students with the skills necessary for success in graduate programs in psychology or related fields.

Degrees: Psychology (BS, MA, MS, PhD)

Minors: Psychology

Certificates: Behavioral Forensics

Department of Sociology

Chair: Jana Jasinski

PH 403B; 407-823-3744

Email: sociology@ucf.edu

<http://sociology.cos.ucf.edu/>

Undergraduate Program Coordinator: Lin Huff-Corzine

Faculty: Canan, J.S. Carter, S. Carter, Cook, Corzine, Donley, Ford, Gay, Grauerholz, Huff-Corzine, Jasinski, Koontz, Loree, Lynxwiler, Mustaine, Pals, Pritchard, Reckdenwald, Rivera, Sikorska-Simmons, Warren, Wright

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today's employers are looking and are also essential

for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, healthcare, and changes in the family.

The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, information management specialist, and research analyst.

For more information about our nationally acclaimed yet personable faculty and our relevant, flexible major, go to <http://sociology.ucf.edu>.

Degrees: Sociology (BA, MA, PhD), Social Sciences (BS)

Tracks: Domestic Violence (MA)

Minors: Crime, Law & Deviance, Diversity & Social Inequality, Mass Culture & Collective Behavior, Medical Sociology, Sociology

Department of Statistics

Chair: D. Nickerson

CCII 206; 407-823-5528

Email: stats@ucf.edu

<http://statistics.cos.ucf.edu/>

Associate Chair: James Schott

Undergraduate Program Coordinator: Nizam Uddin

Faculty: Inghram, Jasen, Johnson, Maboudou-Tchao, Ni, Nickerson, J. Schott, S. Schott, Uddin, Wang, Yan

The Department of Statistics offers courses and programs leading to a Bachelor of Science in Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate program in statistics is designed to serve 1) students who desire to pursue careers in statistics after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, and statistical computing. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics (BS, MS)

Tracks: Data Mining (MS)

Minors: Statistics, Actuarial Science

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://www.oas.ucf.edu/alc/alc_students_cosci.htm



OFFICE OF UNDERGRADUATE STUDIES



Office of Undergraduate Studies

Interim Vice Provost and Dean: Elliot Vittes

MH 218; 407-823-2373

<http://www.undergrad.ucf.edu>

Interim Associate Dean: Heath Martin

MH 210; 407-823-2691

The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Sciences and Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Office of Pre-Professional Advising, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbitrator for all undergraduate academic appeals.

Academic Services

Interim Associate Dean and Director: Heath Martin

MH 210; 407-823-2691

<http://www.academicsservices.ucf.edu>

This office is responsible for administering State of Florida and University academic policies pertaining to academic record changes, curriculum file management, the degree audit program, and University-wide academic policies and graduation requirements. The primary goals of the office are to apply these policies fairly, promptly and evenly according to established guidelines; to provide a timely response to requests from students, faculty, and staff; and to maintain accurate and effective computer records for advisement and graduation certification.

Bachelor of Applied Science

Interim Vice Provost and Dean: Elliot Vittes

MH 218; 407-823-2373

<http://regionalcampuses.ucf.edu/program/applied-science>

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

Office of Experiential Learning

Director: TBA

CSEL 300; 407-823-2667

<http://www.explearning.ucf.edu>

This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty advise students, teach co-op and internship courses, and facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships. They also develop and maintain productive relationships with employers, collect and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research and applications for national recognition. The primary goal is to ensure that students benefit academically by having access to and including experiential learning courses in their degree programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.

Office of Undergraduate Studies

McNair Scholars Program

Director: Michael Aldarondo-Jeffries
TC2 221; 407-823-1815
<http://mcnair.ucf.edu>

The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates, prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies

Director: Michael Hampton
CL1 302; 407-823-0144
Email: is@ucf.edu
<http://is.ucf.edu>

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Jessica Simmons, Marcelle Turner, Peter Wallace
The Interdisciplinary Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study with professional advising and courses from across the university. The degree includes three different tracks from which to choose. There are also three minors and two certificate programs.

Degrees: Interdisciplinary Studies (BA, BS, MA, MS)

Tracks: Interdisciplinary Studies, Environmental Studies, Women's Studies,

Minors: Environmental Studies, World Comparative Studies, Leadership Studies

Certificates: Leadership Studies, Cultural Tourism

Office of Pre-Professional Advising (OPPA)

Director: Bernard Mackey
FC 203; 407-823-3033
<http://oppa.ucf.edu>

The Office of Pre-Professional Advising (OPPA) provides guidance and support to students interested in pursuing careers in the health and legal professions. OPPA provides information about the field of law and a wide variety of health-related fields such as allopathic (M.D.), osteopathic (D.O.), and veterinary (D.V.M.) medicine, dentistry, pharmacy, optometry, podiatry, chiropractic, physician assistant, physical therapy, occupational therapy, and public health. These careers require academic study in professional school settings beyond the baccalaureate degree, and OPPA assists "Pre-Professional" Students in any undergraduate major by offering academic advising, administrative support, and other activities related to preparing for and applying to professional schools. OPPA's primary goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

Research and Mentoring Program

Director: Michael Aldarondo-Jeffries
TC2 221; 407-823-1815
<http://ramp.ucf.edu>

The Research and Mentoring Program (RAMP) prepares students for entry into graduate and professional school. Through involvement in research projects and working with faculty mentors, the program pro-

vides a supportive educational environment for students. In addition, the students participate in a variety of workshops designed to increase their awareness and knowledge of the graduate and professional school application process. Students from underrepresented groups and first-generation/low-income students are strongly encouraged to apply.

Office of Undergraduate Research

Director: Kimberly Schneider
TC2 209; 407-823-3125
<http://our.ucf.edu>

UCF offers numerous opportunities for undergraduates to pursue research in various disciplines with the guidance of a faculty mentor. This intensive research opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. Examples of programs the office administers are: the undergraduate research showcase, the undergraduate research journal, a workshop series, and a student council.

EXCEL Program

Director: Michael Georgiopoulos
HEC 358; 407-823-5338
<http://excel.ucf.edu>

The goal of the EXCEL program is to increase the success of students who pursue a degree in a STEM area (science, technology, engineering, and mathematics) at UCF. To attain this goal, the EXCEL program offers enhanced educational opportunities for its recruits, such as common EXCEL mathematics courses, the EXCEL Tutoring Center for math and science, designated graduate teaching assistant mentors to closely monitor student performance in EXCEL math classes, consistent advising by a dedicated EXCEL first year advisor and the STEM college advisors, paid sophomore research experiences, and many social activities that build strong bonds among EXCEL students. The purpose of these EXCEL activities is to create a learning community which connects students, staff, and faculty, with the goal of increasing the college success of every student participant in the program.

The Quality Enhancement Plan Development Office

Director: Martha Marinara
CL1 206; 407-823-1342
<http://if.ucf.edu>

The Office of Information Fluency is dedicated to ensuring that students are information fluent upon graduation. By promoting and supporting a culture of information fluency and assisting academic faculty, library faculty, and professional staff, the Office fosters an environment in which students learn to navigate competently through an abundance of information choices, to evaluate the information, and to make ethical decisions concerning use of the information. The Office actively supports faculty development, funds curricular and co-curricular projects that promote information fluency, publishes the Journal of Information Fluency, and hosts the annual Information Fluency conference.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www.oeas.ucf.edu/alc/alc_students_us.htm



ROSEN COLLEGE OF HOSPITALITY MANAGEMENT



Rosen College of Hospitality Management

Dean: Abraham Pizam

9907 Universal Boulevard, Suite 231-H Orlando, FL 32819;

407-903-8000

<http://www.hospitality.ucf.edu>

Associate Deans: Tadayuki Hara; Youcheng Wang;

9907 Universal Boulevard, Suite 231-A; 407-903-8000

Orlando Campus Academic Advising:

Classroom Building I, 302H; 407-823-1112

Faculty: Black, Breiter, Bunn, Chen, Choi, Croes, Dickson, Fisher, Fjelstul, Fyall, Hara, Hogg, Hutchinson, Gregory, Iskat, Judy, Juge, Jung, Kang, Kaufman, Kwun, Lavendol, Logan, Lynch, Milman, Murphy, Nusair, Okumus, Ozturk, Parsa, Pizam, Rivera, Ro, Rompf, Ross, Severt, Singh, Smith, Terry, Tesone, Torres, Van Niekerk, Wang, Whitney, Wilson

The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities.

It is the destination for over 55 million tourists each year, has over 400 hotels with 120,000 rooms, 20,000 vacation ownership units, 5,300 restaurants, 176 golf courses, over 100 theme parks and attractions, 12 regional shopping malls, a top-ranked international airport, the second largest convention center in the nation, and a multitude of sport and entertainment venues. As a result of being the most visited destination in the United States, Orlando's hospitality & tourism industry is the region's largest employer, supplying approximately 360,000 jobs, with wages exceeding \$14 billion annually.

The educational mission of the College is to provide students with the knowledge, skills, and ability to identify opportunities and challenges in the hospitality industry, and to apply creative decision techniques in responding to those opportunities.

The curriculum is designed to prepare students for a broad range of managerial roles across the hospitality industry. It provides both academic preparation and practical experiences that students will need to enter and succeed in a hospitality management career. Students also have the opportunity to experience the work world in hospitality through an internship requirement and through extensive contact with leading hospitality managers in the Central Florida area.

There are three undergraduate degrees offered, including Bachelor of Science degrees in Hospitality Management, Event Management, and Restaurant & Foodservice Management.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

The Center for Multi-Unit Restaurant Management and the Darden Eminent Scholar Chair in Restaurant Management provide a unique focus in the curriculum on corporate restaurant management. Students have access through the Center to leading restaurant industry executives. This academic unit is an integral part of the Rosen College of Hospitality Management.

Distinctive Benefits

- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area hospitality industry.
- A large number of scholarships made available through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A faculty committed to continuously improving their knowledge of the hospitality industry as well as their ability to teach that knowledge to their students.
- A required work experience that provides students with practical experiences in the hospitality industry.
- Outstanding opportunities for internships.
- A modern food production laboratory and teaching restaurant completely equipped to provide students with experience in food preparation.
- Multiple endowed chairs and professorships.

Degrees: Event Management (BS), Hospitality Management (BS)
Restaurant and Food Service Management (BS)

Tracks: Theme Park and Attraction Management,
Golf and Club Management

Minor: Hospitality Management; Event Management (exclusive to College of Arts and Humanities majors)

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: http://oeas.ucf.edu/alc/alc_students_rhm.htm



UCF DEGREE PROGRAMS

Accounting
Advertising-Public Relations
Aerospace Engineering
Aerospace Engineering -
Accelerated Undergraduate-Graduate Program
Anthropology
Applied Science - A.S. to B.S. Track
Architecture
Art - History Track
Art - Studio Track
Art - Visual Arts and Emerging Media Management
Track
Art - B.F.A. - Emerging Media Track
Art - B.F.A. - Studio Art Track
Art Education
Athletic Training
Biology
Biology - Preprofessional Concentration
Biomedical Sciences
Biomedical Sciences - Preprofessional Concentration
Biotechnology
Business Administration
Chemistry
Chemistry - Biochemistry Track
Civil Engineering
Communication Sciences and Disorders
Communication Sciences and Disorders -
Accelerated Undergraduate-Graduate Program
Computer Engineering
Computer Engineering -
Accelerated Undergraduate-Graduate Program
Computer Science
Computer Science -
Accelerated Undergraduate-Graduate Program
Construction Engineering
Criminal Justice
Criminal Justice Scholar's Track
Criminal Justice - A.S. to B.S. Track
Digital Media
Early Childhood Development and Education
Track 1: Education: Pre-Kindergarten - Primary
Early Childhood Development and Education
Track 2: Early Childhood Development
Early Childhood Development and Education
Track 3: Early Childhood Careers
Economics
Economics, Business
Electrical Engineering
Electrical Engineering -
Accelerated Undergraduate-Graduate Program
Elementary Education
English - Creative Writing
English - Literature
English - Technical Communication
English Language Arts Education
Environmental Engineering
Event Management
Film - B.F.A.
Film - Cinema Studies Track
Finance
Forensic Science - Analysis Track
Forensic Science - Biochemistry Track

French
General Business
General Business - A.S. to B.S. Track
Health Informatics and Information Management
Health Sciences - Pre-Clinical Track
Health Services Administration
History
History -
Accelerated Undergraduate-Graduate Program
Hospitality Management
Hospitality Management - A.S. to B.S. Track
Human Communication
Humanities
Humanities - Philosophy, Religion,
& Popular Culture Track
Industrial Engineering
Industrial Engineering -
Accelerated Undergraduate-Graduate Program
Information Technology
Interdisciplinary Studies
Interdisciplinary Studies -
Environmental Studies Track
Interdisciplinary Studies -
Women's Studies Track
International and Global Studies
Journalism
Latin American Studies
Legal Studies
Liberal Studies
(See Interdisciplinary Studies)
Management
Marketing
Mathematics
Mathematics Education
Mechanical Engineering
Mechanical Engineering -
Accelerated Undergraduate-Graduate
Program
Medical Laboratory Sciences
Music
Music - Jazz Studies Track
Music - Music Composition Track
Music - Music Performance Track
Music Education
Nursing
Nursing - Accelerated Second Degree
B.S.N. Option
Nursing - A.S. to B.S.N. Track
Nursing - Concurrent A.S.N. to B.S.N.
enrollment option
Nursing - R.N. to B.S.N. Program
Nursing - R.N. to M.S.N. Option
Philosophy
Photography
Photonic Science and Engineering
Physics
Political Science
Political Science - Prelaw Track
Psychology
Public Administration
Radio - Television
Real Estate

Religion and Cultural Studies
Restaurant and Foodservice Management
Science Education - Biology
Science Education - Chemistry
Science Education - Physics
Social Science Education
Social Sciences
Social Work
Sociology
Spanish
Sport and Exercise Science
Statistics
Technical Education and Industry Training
Theatre
Theatre - Musical Theatre Track
Theatre Studies
World Languages Education - French
World Languages Education - Spanish



UCF DEGREE PROGRAMS

Accounting (B.S.B.A.)

College of Business Administration

Kenneth G. Dixon School of Accounting,

Business Administration II, Room: 101

<http://www.bus.ucf.edu/accounting>

Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

■ Completion of the General Education program and Gordon Rule, or an AA Degree from a Florida College System or State University System institution prior to admission to this degree.

■ See Common Program Prerequisites.

Degree Requirements

■ Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students must have a "C" (2.0) or better in each common program prerequisites class.

■ A minimum grade of "C" (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.

■ Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on Lack of Progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in the subsequent term, that student will be dropped as an Accounting major. A student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.

■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

■ Students must have at least a 2.0 GPA in the College of Business and in the accounting major.

■ A grade of "C-" (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required CGS 2100C Computer Fundamentals for Business 3 hrs

Prefer MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)

Select 1: (3 hrs)

Suggested ECO 2013 Principles of Macroeconomics 3 hrs

Suggested ECO 2023 Principles of Microeconomics 3 hrs

Select 1:			3 hrs
Suggested	ANT 2000	General Anthropology or	3 hrs
Suggested	PSY 2012	General Psychology or	3 hrs
Suggested	SYG 2000	Introduction to Sociology	3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

■ Must be completed with a "C" (2.0) or better

■ See "Common Prerequisites" in the Transfer and

Transitions Services section for more information.

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Select one of the following sequences of courses:

ECO 3401	Quantitative Business Tools I	3 hrs

or

MAC 2233	Concepts of Calculus and	3 hrs
STA 2023	Statistical Methods I and	3 hrs
Students must receive a "C" (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.		

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (32 hrs)

First or subsequent semester in the College of Business Administration:

¹ GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
BUL 3130	Legal and Ethical Environment of Business	4 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
FIN 3403C	Business Finance	4 hrs
GEB 3375	Introduction to International Business	4 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs
MAR 3203	Supply Chain and Operations Management	4 hrs

¹ Must be taken in 1st or 2nd semester.

Required courses for major: (24 hrs)

ACG 3131	Intermediate Financial Accounting I	3 hrs
ACG 3141	Intermediate Financial Accounting II	3 hrs
ACG 3361	Cost Accounting I	3 hrs
ACG 3501	Financial Accounting for Governmental and Nonprofit Organizations	3 hrs
ACG 4401C	Accounting Information Systems	3 hrs
ACG 4651	Auditing	3 hrs
ACG 4803	Advanced Issues in Financial Accounting	3 hrs
TAX 4001	Taxation of Business Entities and Transactions	3 hrs

5. Restricted Electives

■ None

6. Capstone Requirements (4 hrs)

MAN 4720 Strategic Management 4 hrs
■ This course is taken in the graduating term and requires the following prerequisites:

FIN 3403C	Business Finance	4 hrs
GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs

7. Foreign Language Requirements

Admissions

■ Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None



UCF Degree Programs

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Eligibility: Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of college credits including at least 12 graded upper-division hours at UCF; at least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Honors in the Major Coordinator for the School of Accounting and Associate Dean of the Honors College plus the payment of \$25.00 one-time membership dues.

Requirements:

- Students accepted into the Honors in the Major Program must complete either:

Take all of the following sequences:

ACG 4903H	Honors Directed Reading I or	3 hrs
ACG 4904H	Honors Directed Reading II	3 hrs
and		
ACG 4970H	Undergraduate Honors Thesis	3 hrs

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Professional courses should not be taken at a Florida College System institution in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses

ACG 2021	Principles of Financial Accounting	3 hrs
may be substituted with:		
ACG 2001 and ACG 2011		

Plan of Study

Freshman Year - Fall		15 hrs
ENC 1101	Composition I	3 hrs
MAC 1105C	College Algebra	3 hrs
Cult-Hist I*		3 hrs
Psy/Ant/Soc		3 hrs
Science		3 hrs

Freshman Year - Spring		15 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
ENC 1102	Composition II	3 hrs
Cult-Hist II*		3 hrs
Science		3 hrs
Art/Music/Lit		3 hrs

Sophomore Year - Fall		15 hrs
ACG 2021	Principles of Financial Accounting	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
Free Elective		3 hrs
Free Elective		3 hrs

Sophomore Year - Spring		16 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
ECO 3401	Quantitative Business Tools I	3 hrs
MAR 3023	Marketing	4 hrs
POS 2041	American National Government	3 hrs

Junior Year - Fall		14 hrs
ACG 3131	Intermediate Financial Accounting I	3 hrs
ACG 3361	Cost Accounting I	3 hrs
BUL 3130	Legal and Ethical Environment of Business	4 hrs
GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr

Junior Year - Spring		14 hrs
ACG 3141	Intermediate Financial Accounting II	3 hrs
ACG 3501	Financial Accounting for Governmental and Nonprofit Organizations	3 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
MAN 3025	Management of Organizations	4 hrs

Senior Year - Fall		17 hrs
ACG 4401C	Accounting Information Systems	3 hrs
FIN 3403C	Business Finance	4 hrs
MAR 3203	Supply Chain and Operations Management	4 hrs
TAX 4001	Taxation of Business Entities and Transactions	3 hrs
Free Elective		3 hrs

Senior Year - Spring		14 hrs
¹ ACG 4651	Auditing	3 hrs
ACG 4803	Advanced Issues in Financial Accounting	3 hrs
GEB 3375	Introduction to International Business	4 hrs
MAN 4720	Strategic Management	4 hrs



¹ "C" (2.0) or better grade required in each class.**Accounting majors must have a "C" (2.0) or better in each class to include law and tax and a 2.0 GPA major.***General electives as required to reach 120 semester hours.

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$15 per term
- Full-Time Student: \$30 per term

Advertising-Public Relations (B.A.)

College of Sciences

Nicholson School of Communication, NSC, Room: 143

<http://communication.cos.ucf.edu>

Email: adpr@ucf.edu

Joan McCain - Area Coordinator, joan.mccain@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements

- Students should apply to become Advertising - Public Relations majors only after completing all requirements for admission.
- Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
- The student's GPA is a major component of the admission criteria.
- The admission GPA will be calculated using all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
- Pass a grammar proficiency exam administered by UCF's Testing Center, unless the student has qualifying AP or IB scores, or a "B" is earned in both freshman GEP English classes.
- Contact NSC Advising for specifics of admission criteria.
- Students must receive a positive evaluation by the Nicholson School of Communication.
- For admission to the program, students must complete or be enrolled into and complete the following courses with a "C" or better (if in process at the time of admission, students who do not earn a "C" or better will be removed from the program):

Complete the following:		6 hrs
ADV 3008	Principles of Advertising and	3 hrs
PUR 4000	Public Relations	3 hrs

Application Deadlines:

- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

Degree Requirements

- Students who change degree programs (other than from Ad-PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor's prior approval.
- Students should consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).

- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

Select either (3 hrs)

Required	SPC 1608	Fundamentals of Oral Communication or	3 hrs
Required	SPC 1603C	Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Select one course from group B 2.			3 hrs

C: Mathematical Foundations (6 hrs)

Math (3 hrs)

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

or
May substitute a higher level math with appropriate scores on the Math Placement Exam. 3 hrs

Statistics (3 hrs)

Required	STA 2014C	Principles of Statistics or	3 hrs
May substitute a more advanced STA course.			3 hrs

D: Social Foundations (6 hrs)

Economics (3 hrs)

Required	ECO 2013	Principles of Macroeconomics	3 hrs
or			
Required	ECO 2023	Principles of Microeconomics	3 hrs

Social Sciences (3 hrs)

Required	ANT 2000	General Anthropology or	3 hrs
Required	PSY 2012	General Psychology or	3 hrs
Required	SYG 2000	Introduction to Sociology	3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

Select either Economics course:

ECO 2013	Principles of Macroeconomics or	GEP
ECO 2023	Principles of Microeconomics	GEP

Select either Speech course:

SPC 1608	Fundamentals of Oral Communication or	GEP
SPC 1603C	Fundamentals of Technical Presentations	GEP

3. Core Requirements: Basic Level (6 hrs)

- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following;

Must be in progress or completed before applying to the program:



UCF Degree Programs

Complete all of the following:

6 hrs

■ For admission to the program, students must complete or be enrolled into and complete the following courses with a "C" or better (if in process at the time of admission, students who do not earn a "C" or better will be removed from the program).

ADV 3008	Principles of Advertising and	3 hrs
PUR 4000	Public Relations	3 hrs

May be completed before or after admission to the program:

Complete either economics class:

ECO 2023	Principles of Microeconomics or	GEP/CPP
ECO 2013	Principles of Macroeconomics	GEP/CPP

Complete either speech class

SPC 1608	Fundamentals of Oral Communication or	GEP/CPP
SPC 1603C	Fundamentals of Technical Presentations	GEP/CPP

Complete either statistics class:

STA 2014C	Principles of Statistics or	GEP
STA 2023	Statistical Methods I	GEP

4. Core Requirements: Advanced Level

(21 hrs)

Complete after admission to the program:

ADV 4101	Advertising Copywriting	3 hrs
MMC 3420	Mass Media Research Methods	3 hrs
MMC 3200	Mass Communication Law	3 hrs
MMC 4411	Ad-PR Campaigns	3 hrs
MMC 3630	Social Media as Mass Communication	3 hrs
PUR 3100	Writing for Public Relations	3 hrs

Internship: Select one

3 hrs

ADV 4941	Internship or	3 hrs
PUR 4941	Internship	3 hrs

5. Restricted Electives

(12 hrs)

Select from the following after admission to the program:

PUR 3004	Public Relations and Society	3 hrs
ADV 4103	Radio-Television Advertising	3 hrs
ADV 4300	Advertising Media Planning	3 hrs
COM 3110	Business and Professional Communication	3 hrs
JOU 4700	Journalism Ethics	3 hrs
PUR 3210	Communication Approach to Corporate Social Responsibility	3 hrs
PUR 4203	PR/Advertising Ethics and Law	3 hrs
PUR 4400	Crisis Communication	3 hrs
PUR 4110C	Public Relations Publications	3 hrs
PUR 4801	Public Relations Case Studies	3 hrs
VIC 3001	Visual Communication	3 hrs

You may take either internship, but not both.

3 hrs

ADV 4941	Internship or	3 hrs
PUR 4941	Internship	3 hrs

6. Capstone Requirements

■ The following Advanced Core course meets the Capstone Requirement:

MMC 4411	Ad-PR Campaigns	3 hrs

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement.

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

■ Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives

■ Select primarily from upper level courses, with school advisor's approval. Must be from outside of the disciplines represented within school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements

■ None

10. Required Minors

■ None required. However if a minor is desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements

■ To avoid delaying graduation, the student must request a review of requirements before registering for the last term.

■ Achieve an overall "C" GPA (2.0) in Nicholson School of Communication courses used to satisfy the major.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ Marketing

Certificates

■ None

Related Minors

■ NOTE: Minors taught within the Nicholson School of Communication are not open to Ad-PR majors.

■ Business

■ Digital Media

■ Writing and Rhetoric

■ Hospitality Management

■ Marketing

■ Political Science

■ Psychology

■ Sociology

Advising Notes

■ Students must satisfy each course's prerequisites before enrolling in the class.

Transfer Notes

■ Lower division courses do not substitute for upper division courses.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

■ One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall

13 hrs

ENC 1101	Composition I	3 hrs
Foreign Language		4 hrs
GEP Math		3 hrs
GEP		3 hrs

Freshman Year - Spring

13 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
ENC 1102	Composition II	3 hrs
STA 2014C	Principles of Statistics	3 hrs
Foreign Language		4 hrs



Sophomore Year - Fall	15 hrs
ADV 3008 Principles of Advertising	3 hrs
GEP- Economics	3 hrs
GEP	3 hrs
GEP	3 hrs
Elective-take outside of NSC	3 hrs

Sophomore Year - Spring	15 hrs
Elective-take outside of NSC	3 hrs
PUR 4000 Public Relations	3 hrs
GEP	3 hrs
GEP	3 hrs
GEP	3 hrs
Apply to the program	

Junior Year - Fall	15 hrs
Apply to program by Oct 1.	
MMC 3420 Mass Media Research Methods	3 hrs
MMC 3630 Social Media as Mass Communication	3 hrs
Elective-take outside of NSC	3 hrs
Elective-take outside of NSC	3 hrs
Elective-take outside of NSC	3 hrs

Junior Year - Spring	15 hrs
If admitted, take the following;	
PUR 3100 Writing for Public Relations	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Elective-take outside of NSC	3 hrs
Elective-take outside of NSC	3 hrs

Junior Year - Summer	9 hrs
Internship	3 hrs
Elective-take outside of NSC	3 hrs
Elective-take outside of NSC	3 hrs

Senior Year - Fall	13 hrs
ADV 4101 Advertising Copywriting	3 hrs
Restricted Elective	3 hrs
Elective-take outside of NSC	4 hrs
Elective-take outside of NSC	3 hrs
Graduation Review	

Senior Year - Spring	12 hrs
MMC 4411 Ad-PR Campaigns	3 hrs
Restricted Elective-Internship	3 hrs
Free Elective-take outside of NSC	3 hrs
Free Elective-take outside of NSC	3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$22 per term
- Full-Time Student: \$44 per term

Aerospace Engineering (B.S.A.E.)

College of Engineering and Computer Science

Department of Mechanical and Aerospace Engineering,

Engineering 1, Room: 307

<http://www.mmae.ucf.edu>

Email: mmaeugrad@ucf.edu

Dr. Kuo-Chi Lin, Kurt.Lin@ucf.edu, 407-823-0137

Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448

Phone: 407-823-2416

Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.

- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements

- None

1. UCF General Education Program (GEP) (38 hrs)

■ The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations	(9 hrs)
Required ENC 1101 Composition I	3 hrs
Required ENC 1102 Composition II	3 hrs

Select 1:	3 hrs
Prefer SPC 1603C Fundamentals of Technical Presentations or	3 hrs
Suggested SPC 1608 Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations	(9 hrs)
Select two classes from Historical Foundations	6 hrs
Select one class from Cultural Foundations	3 hrs

C: Mathematical Foundations	(7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I	4 hrs
Required STA 3032 Probability and Statistics for Engineers	3 hrs

D: Social Foundations	(6 hrs)
Select 1:	3 hrs
Prefer ECO 2013 Principles of Macroeconomics or	3 hrs
Prefer ECO 2023 Principles of Microeconomics	3 hrs
Select one class from Social Foundations	3 hrs

E: Science Foundations	(7 hrs)
Suggested PHY 2048C Physics for Engineers & Scientists I	4 hrs
Select one class from Science Foundations	3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2.

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

¹ MAC 2311C	Calculus with Analytic Geometry I	GEP
¹ MAC 2312	Calculus with Analytic Geometry II	4 hrs
¹ MAC 2313	Calculus with Analytic Geometry III	4 hrs
¹ MAP 2302	Ordinary Differential Equations I	3 hrs
¹ PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

¹ A "C" (2.0) or better is required in this course.

Select one of the following sequences of courses:

-Preferred course	
CHS 1440 Fundamentals of Chemistry for Engineers	4 hrs

or- First alternative: Select all of the following:	6 hrs
CHM 2040 Chemistry Fundamentals IA and	3 hrs
CHM 2041 Chemistry Fundamentals IB	3 hrs

or- Second alternative	
CHM 2045C Chemistry Fundamentals I	4 hrs



UCF Degree Programs

3. Core Requirements: Basic Level (2 hrs)

■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

4. Core Requirements: Advanced Level (51 hrs)

EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3343	Thermodynamics	3 hrs
EMA 3706	Structure and Properties of Aerospace Materials	3 hrs
EGN 3373	Principles of Electrical Engineering	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP
EAS 3101	Fundamentals of Aerodynamics	3 hrs
EAS 3800C	Aerospace Engineering Measurements	3 hrs
EAS 3810C	Design of Aerospace Experiments	3 hrs
EAS 4105	Flight Mechanics	3 hrs
EAS 4134	High-Speed Aerodynamics	3 hrs
EAS 4300	Aerothermodynamics of Propulsion Systems	3 hrs
EML 3034C	Modeling Methods in Mechanical and Aerospace Engineering	3 hrs
EGM 3601	Solid Mechanics	3 hrs
EML 3217	Engineering Mechanics - Dynamics	3 hrs
EML 4225	Introduction to Vibrations and Controls	3 hrs
EML 3701	Fluid Mechanics I	3 hrs
EML 4142	Heat Transfer	3 hrs
EAS 4200	Analysis & Design of Aerospace Structures	3 hrs

5. Restricted Electives (12 hrs)

■ Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered. <http://mmae.ucf.edu/Academics/undergraduate.html>

6. Capstone Requirements (6 hrs)

■ These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
■ CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

Select 1:		3 hrs
EAS 4700C	Aerospace Design I or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

Select 1:		3 hrs
EAS 4710C	Aerospace Design II or	3 hrs
EGN 4413C	Interdisciplinary Design II	3 hrs

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ 25% of course work must be in residency at UCF.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 128

Honors In Major

■ None

Related Programs

■ Mechanical Engineering

Certificates

■ None

Related Minors

- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes

■ Double Degree/Double Major requirements listed under college section of the catalog.

Career and Academic Advising

■ The department requires all students in the program to meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EAS 3990	Aerospace Career and Academic Faculty Advising I	0 hrs
EAS 4991	Aerospace Career and Academic Faculty Advising II	0 hrs

Transfer Notes

■ Courses taken from Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.

■ Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

■ EGN 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses will be substituted by an approved Aerospace Engineering Elective for transfer students.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (128 hrs)

■ The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall		12 hrs
EGN 1006C	Introduction to the Engineering Profession	1 hr
ENC 1101	Composition I	3 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs

Select 1:		4 hrs
¹ CHS 1440	Fundamentals of Chemistry for Engineers	4 hrs
	or	
CHM 2045C	Chemistry Fundamentals I or	4 hrs
CHM 2040	Chemistry Fundamentals IA or	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

¹ Preferred

Freshman Year - Spring		15 hrs
EGN 1007C	Engineering Concepts and Methods	1 hr
ENC 1102	Composition II	3 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs

Select 1:		3 hrs
SPC 1603C	Fundamentals of Technical Presentations	3 hrs
	or	
SPC 1608	Fundamentals of Oral Communication	3 hrs

Freshman Year - Summer		10 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
EMA 3706	Structure and Properties of Aerospace Materials	3 hrs
GEP		3 hrs



Sophomore Year - Fall	13 hrs
MAP 2302 Ordinary Differential Equations I	3 hrs
PHY 2049C Physics for Engineers and Scientists II	4 hrs
EGN 3310 Engineering Analysis-Statics	3 hrs
STA 3032 Probability and Statistics for Engineers	3 hrs

Sophomore Year - Spring	12 hrs
EML 3217 Engineering Mechanics - Dynamics	3 hrs
EGN 3343 Thermodynamics	3 hrs
EGN 3373 Principles of Electrical Engineering	3 hrs
EGM 3601 Solid Mechanics	3 hrs

Sophomore Year - Summer	9 hrs
GEP	3 hrs
GEP	3 hrs

Select 1:	3 hrs
ECO 2013 Principles of Macroeconomics or	3 hrs
ECO 2023 Principles of Microeconomics	3 hrs

Junior Year - Fall	15 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering	3 hrs
EAS 3800C Aerospace Engineering Measurements	3 hrs
EAS 3990 Aerospace Career and Academic Faculty Advising I	0 hrs
EML 3701 Fluid Mechanics I	3 hrs
GEP	3 hrs
EAS 4200 Analysis & Design of Aerospace Structures	3 hrs

Junior Year - Spring	15 hrs
EAS 3101 Fundamentals of Aerodynamics	3 hrs
EAS 3810C Design of Aerospace Experiments	3 hrs
EML 4225 Introduction to Vibrations and Controls	3 hrs
EML 4142 Heat Transfer	3 hrs
GEP	3 hrs

Senior Year - Fall	15 hrs
EAS 4105 Flight Mechanics	3 hrs
EAS 4134 High-Speed Aerodynamics	3 hrs
EAS 4991 Aerospace Career and Academic Faculty Advising II	0 hrs
Upper Division Elective	3 hrs
Upper Division Elective	3 hrs

Select 1:	3 hrs
EAS 4700C Aerospace Design I or	3 hrs
EGN 4412C Interdisciplinary Design I	3 hrs

Senior Year - Spring	12 hrs
EAS 4300 Aerothermodynamics of Propulsion Systems	3 hrs
Upper Division Elective	3 hrs
Upper Division Elective	3 hrs

Select 1:	3 hrs
EAS 4710C Aerospace Design II or	3 hrs
EGN 4412C Interdisciplinary Design I	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alac/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Anthropology (B.A.)

College of Sciences

Department of Anthropology,

Howard Philips Hall, Room: 309

<http://www.cos.ucf.edu/anthropology>

Dr. John Schultz, jschultz@ucf.edu

Phone: 407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations in Central America and the Caribbean.

Admission Requirements

- None

Degree Requirements

- UCF students who change degree programs and select this major must adopt the most current catalog.

- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department

- Students must maintain a grade of "C"(2.0) or better in all courses used for the major

- Co-op or internship credit cannot be used in the major without prior approval

- Students should consult with a departmental advisor

- All prerequisites of courses taught within the College of Sciences will be enforced.

- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs

Suggested MGF 1107 Explorations in Mathematics 3 hrs

or

You may substitute a higher level math with appropriate scores on the Math Placement Exam. 3 hrs

Statistics - Computers 3 hrs

Suggested STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

Required ANT 2000 General Anthropology 3 hrs

Select from GEP D.1 list 3 hrs

E: Science Foundations (6 hrs)

Required ANT 2511 The Human Species 3 hrs

Select from GEP E.1 list 3 hrs

2. Common Program Prerequisites (CPP)

- See Transfer Notes for possible substitutes

- See "Common Prerequisites" in the Transfer and

Transitions Services section

ANT 2000 General Anthropology GEP

ANT 2511 The Human Species GEP

3. Core Requirements: Basic Level (6 hrs)

Core-Required, also satisfy the CPP

ANT 2000 General Anthropology and GEP/CPP

ANT 2511 The Human Species GEP/CPP

Core-Additional requirements 6 hrs

ANT 2140 Archaeology and the Rise of Human 3 hrs

Culture and

ANT 2410 Cultural Anthropology 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

ANT 3145 Archaeology of Complex Societies 3 hrs

ANT 3610 Language and Culture 3 hrs

ANT 4034 History of Anthropological Thought 3 hrs

ANT 4586C Human Origins 3 hrs

5. Restricted Electives (21 hrs)

Area Study 3 hrs

- Select from the following courses:

ANT 3148 Life and Death in Ancient Egypt 3 hrs

ANT 3152 Indians of the Southwest 3 hrs

ANT 3158 Florida Archaeology 3 hrs

ANT 3160 Americas Before Columbus 3 hrs

ANT 3161 Archaeology of Mexico 3 hrs

ANT 3163 Mesoamerican Archaeology 3 hrs

ANT 3164 Ancient Incas 3 hrs

ANT 3165 Archaeology of South America 3 hrs

ANT 3168 Maya Archaeology 3 hrs

ANT 3177 Archaeology of Caribbean Piracy 3 hrs

ANT 3311 Indians of the Southeastern United States 3 hrs



UCF Degree Programs

ANT 3312	Ethnology of North American Indians	3 hrs
ANT 3313	Indians of North America High Plains	3 hrs
ANT 3319	Anthropology of Diaspora	3 hrs
ANT 3344	Puerto Rican Culture	3 hrs
ANT 3362	Peoples of Southeast Asia	3 hrs
ANT 3363	Anthropology of Japan	3 hrs
ANT 4153	North American Archaeology	3 hrs
ANT 4332	People and Cultures of Latin America	3 hrs
ANT 4340	Caribbean Cultures	3 hrs
ANT 4352	African Societies and Cultures	3 hrs

Restricted Electives 18 hrs

■ Select additional Anthropology courses; these may include other area study courses or any other Anthropology courses that may be offered (see below).

ANT 2511L	Physical Anthropology Lab	1 hr
ANT 3026	Mummies, Zombies, and Vampires: Anthropology of the Undead	3 hrs
ANT 3943	Caribbean Archaeology Practicum	3 hrs
ANT 3106	Archaeology and Popular Culture	3 hrs
ANT 3115	Archaeological Method and Theory	3 hrs
ANT 3142	Old World Prehistory	3 hrs
ANT 3173	Archaeology of Sex	3 hrs
ANT 3212	Peoples of the World	3 hrs
ANT 3241	Magic, Ritual, and Belief	3 hrs
ANT 3245	Native American Religions	3 hrs
ANT 3262	Rural Society	3 hrs
ANT 3273	Law and Culture	3 hrs
ANT 3302	Sex, Gender and Culture	3 hrs
ANT 3330	Cultural Ecology of Amazonia	3 hrs
ANT 3393	American Indian Literature and Culture in Florida	3 hrs
ANT 3398	Black/Seminole Relations	3 hrs
ANT 3541	Biobehavioral Anthropology	3 hrs
ANT 3550C	Primatology	3 hrs
ANT 3701	Applied Anthropology	3 hrs
ANT 3949	Cooperative Education in Anthropology	0 hrs
ANT 3955	Study Abroad	3 hrs
ANT 4027	Mummies, Life After Death	3 hrs
ANT 4013	Anthropological Perspectives on Fast Food	3 hrs
ANT 4180C	Seminar in Laboratory Analysis	3 hrs
¹ ANT 4183	Archaeological Sciences	3 hrs
¹ ANT 4184	Mortuary Archaeology	3 hrs
ANT 4266	Economic Anthropology: Production, Consumption, and Exchange	3 hrs
¹ ANT 4303	Anthropology of Tourism	3 hrs
ANT 4408	Culture, Disease, and Healing	3 hrs
ANT 4462	Medical Anthropology	3 hrs
¹ ANT 4467	Nutritional Anthropology	3 hrs
ANT 4516	Human Biological Diversity	3 hrs
ANT 4521	Forensic Anthropology	3 hrs
ANT 4525C	Human Osteology	4 hrs
ANT 4560	Anthropological Perspectives on Human Growth	3 hrs
¹ ANT 4702	Culture, Power and Development	3 hrs
ANT 4802	Ethnographic Field Methods	3 hrs
ANT 4824	Advanced Archaeological Fieldwork	9 hrs
ANG 5166	Problems in Maya Studies	3 hrs
ANG 5167	Maya Hieroglyphs	3 hrs
ANG 5228	Maya Iconography	3 hrs
ANG 5622	Language, Culture and Pedagogy	3 hrs
ANG 5742	Problems in Forensic Anthropology	3 hrs
ANG 5822	Maya Field Research	3 hrs

¹ Alternatively, seniors may select the 5000 level equivalent, but not both.

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or two semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ A grade of "C" (2.0) or better in all courses used for the major.

■ Students will be required to take a standard exit exam.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ Social Sciences

■ Sociology

Certificates

■ None

Related Minors

■ Africana Studies

■ American Studies

■ Anthropology

■ Anthropology in Multicultural Studies

■ Asian Studies

■ International and Global Studies

■ Judaic Studies

■ Latin American Area Studies

■ Medical Anthropology

■ Medical Sociology

■ Sociology

■ Women's Studies

Advising Notes

■ None

Transfer Notes

■ Lower division courses do not substitute for upper division courses.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

■ Although any ANT course satisfies the CPP, the specified courses are required in the core and must be taken regardless.

Plan of Study

■ One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

■ Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall

ANT 2000	General Anthropology	3 hrs
ENC 1101	Composition I	3 hrs
COM 1000	Introduction to Communication	3 hrs
GEP-Math		3 hrs
GEP		3 hrs



Freshman Year - Spring		15 hrs
ANT 2511	The Human Species	3 hrs
ENC 1102	Composition II	3 hrs
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Fall		15 hrs
ANT 2140	Archaeology and the Rise of Human Culture	3 hrs
ANT 2410	Cultural Anthropology	3 hrs
Restricted Elective		3 hrs
GEP		3 hrs
Free Elective		3 hrs

Sophomore Year - Spring		15 hrs
ANT 3610	Language and Culture	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
GEP		3 hrs
Elective / Minor		3 hrs

Junior Year - Fall		15 hrs
ANT 3145	Archaeology of Complex Societies	3 hrs
Restricted Elective		3 hrs
Foreign Language		4 hrs
Elective / Minor		2 hrs
Elective / Minor		3 hrs

Junior Year - Spring		15 hrs
ANT 4034	History of Anthropological Thought	3 hrs
Restricted Elective		3 hrs
Foreign Language		4 hrs
Elective / Minor		3 hrs
Elective / Minor		2 hrs

Senior Year - Fall		15 hrs
ANT 4586C	Human Origins	3 hrs
Restricted Elective		3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs
Free Elective		3 hrs

Senior Year - Spring		15 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs
Elective / Minor		3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Architecture (B.Des.)

College of Arts and Humanities

School of Visual Arts and Design

(This program is offered at UCF at the Valencia West Campus)

<http://architecture.ucf.edu/>

Email: architecture@ucf.edu

Phone: 407-582-5500

The Bachelor of Design in Architecture was created to meet the local need in Central Florida for an architecture program. The Bachelor of Design (B.Des.) degree program is a partnership with Valencia College and the University of Florida, as part of a 2+2+2 program to enable students to complete an NAAB accredited architectural program in Central Florida. Note: Architecture (B.Des.) majors must have continual access to a computer. Contact the Architecture advising office (407-582-5500) for the minimum hardware and software specifications.

Admission Requirements

■ Completion of an Associate of Arts (A.A.) in Architecture (or similar program) that meets the common course prerequisites of the Bachelor of Design in Architecture program.

- Submission of a completed UCF application packet.
- Participation in a competitive review prior to acceptance.
- Completion of the General Education Program (GEP) at UCF or equivalent.

■ UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements are met.

Degree Requirements

■ Students who change degree programs and select this major must adopt the current catalog.

■ Departmental Residency Requirement consists of at least 36 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.

■ Students must earn at least a "C" (2.0) in each required course and maintain an overall GPA of at least 2.0.

■ Co-op credit cannot be used in this major.

■ Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.

■ Completion of at least 120 semester hours of course work, including all required courses.

1. UCF General Education Program (GEP) (36 hrs)

■ Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP requirements.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

■ Completion of the A.A. in pre-Architecture from Valencia College or equivalent.

3. Core Requirements: Basic Level (34 hrs)

■ A.A. Courses (completed in the A.A. in Architecture from Valencia College).

■ ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in Valencia College's architecture program but required for the B.Des. at UCF. See courses below.

ARC 1201	Theory of Architecture	3 hrs
ARC 1301	Architectural Design I	4 hrs
ARC 1302	Architectural Design II	4 hrs
ARC 1701	History of Architecture I or equivalent	3 hrs
ARC 2180	Introduction to Digital Architecture	3 hrs
ARC 2303	Architectural Design III	5 hrs
ARC 2304	Architectural Design IV	5 hrs
ARC 2461	Materials and Methods of Construction	4 hrs
ARC 2702	History of Architecture II or equivalent	3 hrs

4. Core Requirements: Advanced Level (45 hrs)

■ Completed as part of the Bachelor of Design program at UCF.

ARC 3181	Advanced Topics in Digital Architecture	3 hrs
ARC 3320L	Architectural Design 5	6 hrs
ARC 3321L	Architectural Design 6	6 hrs
ARC 3463	Materials and Methods of Construction 2	3 hrs
ARC 3503	Architectural Structures	3 hrs
ARC 3610	Environmental Technology 1	3 hrs
ARC 3743	Architectural History 3	3 hrs
ARC 4220	Architectural Theory 2	3 hrs
ARC 4322L	Architectural Design 7	6 hrs
ARC 4323L	Architectural Design 8	6 hrs
ARC 4620	Environmental Technology 2	3 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None



UCF Degree Programs

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

(10 hrs)

- Any combination of course credit at the 3000 or 4000 level and approved internship credit to equal at least 10 hours.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- Public and Professional Writing

Related Minors

- Art - Studio
- Art History
- Cognitive Sciences
- Digital Media
- Film - Cinema Studies
- Humanities
- Philosophy
- English - Technical Communication
- Writing and Rhetoric

Advising Notes

- <http://svad.cah.ucf.edu/students>
- architecture@ucf.edu

Transfer Notes

- Grades less than a "C" (2.0) are not accepted.
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Full-Time Student: \$90 per term

Art - Emerging Media Track (B.F.A.)

College of Arts and Humanities

School of Visual Arts and Design,

Visual Arts Building, Room: 117

<http://svad.cah.ucf.edu/>

Email: svadadvising@ucf.edu

Phone: 407-823-2676

The Emerging Media track allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to: Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (<http://www.cstore.ucf.edu>) for the minimum hardware and software specifications.

Admission Requirements

- Character Animation: students must satisfactorily complete the mandatory DIG3951 - Character Animation Portfolio Review before enrolling in any Character Animation restricted electives. The Character Animation portfolio review is only held in Spring, and typically takes place near the end of February.

- Experimental Animation: all junior level Experimental Animation students must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses or Experimental Animation restricted electives. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.

- Graphic Design: students must satisfactorily complete the mandatory GRA3950 - Graphic Design Portfolio Application course before enrolling in any Graphic Design restricted electives. The Graphic Design portfolio review is only held in Spring, and typically takes place near the end of February.

- Students unable to satisfactorily complete ART 3950-Portfolio Review, DIG 3951 - Character Animation Portfolio Review, or GRA 3950 - Graphic Design Portfolio Application, may continue in the Art History or the Visual Art and Emerging Media Management tracks.

- "C-" (1.75) or below grades from other institutions do not meet departmental requirements.

- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog by filing a catalog year change with their degree change form.

- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.

- Students must earn at least a "C" (2.0) in each required course except DIG 2000, which requires a "B" (3.0) or better.



- BFA students must maintain a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in this major.
- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 9 hrs

Required	ARH 2050	History of Western Art I and	3 hrs
Required	ARH 2051	History of Western Art II and	3 hrs
Select a course from group B.1			3 hrs

C: Mathematical Foundations (7 hrs)

Take all of the following: 7 hrs

Required	MAC 1105C	College Algebra and	3 hrs
Required	COP 2500C	Concepts in Computer Science	4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

ARH 2050	History of Western Art I	GEP
ARH 2051	History of Western Art II	GEP
ART 2201C	Design Fundamentals-Two Dimensional	3 hrs
ART 2203C	Design Fundamentals-Three Dimensional	3 hrs
ART 2300C	Drawing Fundamentals I	3 hrs
ART 2301C	Drawing Fundamentals II	3 hrs
GRA 2101C	Introduction to Computer Art	3 hrs
Any ART prefix, studio, or media courses at the 2000-4000 levels		3 hrs
See "Common Prerequisites" in the Transfer and Transitions Services section for more information		

3. Core Requirements: Basic Level (18 hrs)

ARH 2500	History of Non-Western Art	3 hrs
ART 2823	Art as Interface	3 hrs
COP 2500C	Concepts in Computer Science	GEP
MAC 1105C	College Algebra	GEP
DIG 2000	Introduction to Digital Media	3 hrs
DIG 2030C	Digital Video Fundamentals	3 hrs
DIG 2109C	Digital Imaging Fundamentals	3 hrs
DIG 2500C	Fundamentals of Interactive Design	3 hrs

4. Core Requirements: Advanced Level (12 hrs)

DIG 3024	Digital Cultures & Narrative	3 hrs
DIG 3480C	Computer as a Medium	3 hrs
DIG 3525	Digital Media Production I	3 hrs
DIG 4780C	Modeling for Realtime Systems	3 hrs

5. Restricted Electives (39 hrs)

■ Specializations

Graphic Design

■ Graphic Design Basic Concentration - 18 hours

GRA 3950	Graphic Design Portfolio Application	0 hrs
GRA 3102C	Intermediate Graphic Design I	3 hrs
GRA 3112C	Intermediate Graphic Design II	3 hrs
GRA 3803C	Intermediate Computer Graphic Design	3 hrs
GRA 4196C	Advanced Graphic Design	3 hrs
GRA 4197C	Special Problems in Graphic Design	3 hrs
GRA 3202C	Type & Design	3 hrs

Graphic Design

■ Graphic Design - Restricted Electives - 21 hours

Complete 21 hours of credits from the following areas: 21 hrs
 9 hours must be from 3000 or 4000 level art history courses, 12 hours from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level course approved by the School.

Character Animation 39 hrs

■ All courses in the Character Animation specialization are offered at the UCF Center for Emerging Media in Downtown Orlando

■ Character Animation Core - 15 hours

DIG 3951	Character Animation Portfolio Review	0 hrs
ART 3643C	Digital Effects & Compositing	3 hrs
DIG 4325C	Look Modeling Workshop	3 hrs
DIG 4326C	Geometrical Modeling Workshop	3 hrs
FIL 3720C	Introduction to Animation	3 hrs
FIL 3734C	Intermediate Animation	3 hrs

■ Character Animation Basic Concentration - 24 hours

DIG 3355C	Artificial Environments and Effects	3 hrs
DIG 3433C	Visual Storytelling and Visual Development	3 hrs
DIG 4206C	New Imagery in Motion Workshop	3 hrs
DIG 4359C	Artificial Environments and Effects Workshop	3 hrs
DIG 4394C	Motion Graphics: Advanced Compositing	3 hrs
DIG 4434C	Narrative Techniques in the Moving Image	3 hrs
DIG 4451C	Visual Storytelling and Visual Development Workshop	3 hrs
DIG 4486C	Visual Language of Moving Image II	3 hrs

Experimental Animation 39 hrs

■ Experimental Animation Core - 18 hours

ART 3950	Portfolio Review	0 hrs
ART 3643C	Digital Effects & Compositing	3 hrs
DIG 4325C	Look Modeling Workshop	3 hrs
DIG 4326C	Geometrical Modeling Workshop	3 hrs
FIL 3720C	Introduction to Animation	3 hrs
FIL 3734C	Intermediate Animation	3 hrs
¹ ART 4935	BFA Exhibit/Seminar	3 hrs

¹ only offered in Spring semester.

■ Experimental Animation Restricted Electives - 6 hours

FIL 4735C	Advanced Animation	3 hrs
FIL 4750C	Animation Workshop	3 hrs

■ Experimental Animation Restricted Electives - 15 hours

Complete 15 hours of credits from the following areas: 15 hrs
 hours required outside the specialization area from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level courses approved by the School

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement

Graduation

■ Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

■ Unrestricted electives - credit hours varies with specialization. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted)

■ Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Maintain at least a "B" (3.0) GPA in all major requirements.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 124

Honors In Major

■ None

Related Programs

- Art
- English - Technical Communication

Certificates

■ None

UCF Degree Programs

Related Minors

- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

Advising Notes

- <http://svad.cah.ucf.edu/students>
- svadadvising@ucf.edu

Transfer Notes

- Grades less than a "C" (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alac/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$31.50 per term
- Full-Time Student: \$63 per term

Art - History Track (B.A.)

College of Arts and Humanities

School of Visual Arts and Design,

Visual Arts Building, Room: 117

<http://svad.cah.ucf.edu/>

Email: svadadvising@ucf.edu

Margaret Zaho

Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of ARH specialization.
- Grades below "C" (2.0) in lower level courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor at least once annually.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required	ARH 2050	History of Western Art I	3 hrs
Required	ARH 2051	History of Western Art II	3 hrs
Select a course from group B.1			3 hrs

C: Mathematical Foundations (6 hrs)

Math: (3 hrs)

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs
		or	

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers (3 hrs)

- Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ARH 2050	History of Western Art I	GEP
ARH 2051	History of Western Art II	GEP
ART 2201C	Design Fundamentals-Two Dimensional	3 hrs
ART 2300C	Drawing Fundamentals I	3 hrs

3. Core Requirements: Basic Level (3 hrs)

ARH 2500	History of Non-Western Art	3 hrs

4. Core Requirements: Advanced Level (15 hrs)

ARH 4310	Italian Renaissance Art	3 hrs
ARH 4430	19th Century Art	3 hrs
ARH 4450	20th Century Art	3 hrs
ARH 4800	Theory and Criticism of the Visual Arts	3 hrs
ENC 3315	Argumentative Writing	3 hrs

5. Restricted Electives (24 hrs)

Select one Non-Western/Ancient Art History course from the following: (3 hrs)

ARH 3520	African Art	3 hrs
ARH 3670	20th Century Latin American Art	3 hrs
ARH 4130	Greek Art and Architecture	3 hrs
ARH 4150	Roman Art and Architecture	3 hrs
ARH 4540	Art of India	3 hrs
ARH 4653	Meso American Art	3 hrs

One of the following courses: (3 hrs)

ARH 4200	Medieval Art	3 hrs
ARH 4350	Baroque Art	3 hrs
ARH 4871	Women in Art	3 hrs

Select 18 additional hours from the following: 18 hrs

ARH 3471	Art in the Last 25 Years	3 hrs
ARH 3520	African Art	3 hrs
ARH 3610	American Art	3 hrs
ARH 3670	20th Century Latin American Art	3 hrs
ARH 3710	History of Photography I	3 hrs
ARH 3713	20th Century Photographic History	3 hrs
ARH 3720	History of Prints	3 hrs
ARH 3728	History of Illustration	3 hrs
ARH 3820	Visual Arts Administration Vitas	3 hrs
ARH 4130	Greek Art and Architecture	3 hrs
ARH 4150	Roman Art and Architecture	3 hrs
ARH 4200	Medieval Art	3 hrs
ARH 4350	Baroque Art	3 hrs
ARH 4352	Italian Baroque Art	3 hrs
ARH 4653	Meso American Art	3 hrs
ARH 4871	Women in Art	3 hrs
ARH 5897	Advanced Seminar in Art History	3 hrs
ARH 3XXX-4XXX	Additional Art History course	3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

- Proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor. Standardized examinations for foreign languages may be used to meet the requirement.



8. Electives

■ Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve at least a "C" (2.0) GPA average in courses in the major.

■ Computer Competency met by one of the following:

STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
GRA 2101C	Introduction to Computer Art	3 hrs
ARH 3820	Visual Arts Administration Vitas	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

- Art Education
- Art - Studio Art Track
- Art - Visual Arts and Emerging Media Management Track

Certificates

■ None

Related Minors

- Art - Studio
- Community Arts - PAVE

Advising Notes

- <http://svad.cah.ucf.edu/students>
- svadadvising@ucf.edu

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

Freshman Year - Fall

ARH 2050	History of Western Art I	3 hrs
ENC 1101	Composition I	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs

Freshman Year - Spring

ARH 2051	History of Western Art II	3 hrs
ARH 2500	History of Non-Western Art	3 hrs
ENC 1102	Composition II	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
Restricted Elective		3 hrs

Sophomore Year - Fall

ART 2201C	Design Fundamentals-Two Dimensional	3 hrs
ART 2300C	Drawing Fundamentals I	3 hrs
COM 1000	Introduction to Communication	3 hrs
ENC 3315	Argumentative Writing	3 hrs
POS 2041	American National Government	3 hrs

Sophomore Year - Spring

ARH 4871	Women in Art	3 hrs
ANT 2000	General Anthropology	3 hrs
BSC 1005	Biological Principles	3 hrs
CHM 1020	Concepts in Chemistry	3 hrs
SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs

Junior Year - Fall

ARH 3720	History of Prints	3 hrs
ARH 4130	Greek Art and Architecture	3 hrs
ARH 4430	19th Century Art	3 hrs
ARH 4800	Theory and Criticism of the Visual Arts	3 hrs
SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs

Junior Year - Spring

ARH 3610	American Art	3 hrs
ARH 4310	Italian Renaissance Art	3 hrs
ARH 4450	20th Century Art	3 hrs
ARH 4200	Medieval Art	3 hrs
SPN 2200	Intermediate Spanish Language and Civilization I	3 hrs
Restricted Elective		3 hrs

Senior Year - Fall

ARH 4350	Baroque Art	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
ARH 4XXX		3 hrs

Senior Year - Spring

ARH 4150	Roman Art and Architecture	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
ARH 4XXX		3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alac/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$31.50 per term
- Full-Time Student: \$63 per term

Art - Studio Art Track (B.F.A.)

College of Arts and Humanities

School of Visual Arts and Design,

Visual Arts Building, Room: 117

<http://svad.cah.ucf.edu/>

Email: svadadvising@ucf.edu

Phone: 407-823-2676

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements

■ All students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.

UCF Degree Programs

■ Students unable to satisfactorily complete ART 3950-Portfolio Review may continue in the Art History or the Visual Art and Emerging Media Management tracks.

■ Students may apply to the BFA Program as early as the first semester of their Junior year if they maintain a 3.0 overall average in upper level courses in the major. Students who do not meet these requirements may petition the BFA committee for acceptance.

■ "C-" (1.75) or below grades from other institutions do not meet departmental requirements.

■ Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog by filing a catalog year change with their degree change form.

■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Arts and Design. Nine of these must be in an area of specialization.

■ Grades below "C" (2.0) in lower level ART or ARH courses do not satisfy major requirements.

■ BFA students must maintain a 3.0 GPA in all major requirements.

■ Co-op credit cannot be used in the major.

■ Students should consult with a School advisor, and an advisor in their studio specialization.

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 9 hrs

Required ARH 2050 History of Western Art I and 3 hrs

Required ARH 2051 History of Western Art II and 3 hrs

Select a course from group B.1 3 hrs

C: Mathematical Foundations (6 hrs)

Prefer STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Select 1: 3 hrs

Prefer MGF 1106 Finite Mathematics or 3 hrs

¹ Prefer MGF 1107 Explorations in Mathematics 3 hrs

¹ (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

ARH 2050 History of Western Art I GEP

ARH 2051 History of Western Art II GEP

ART 2201C Design Fundamentals-Two Dimensional 3 hrs

ART 2203C Design Fundamentals-Three Dimensional 3 hrs

ART 2300C Drawing Fundamentals I 3 hrs

ART 2301C Drawing Fundamentals II 3 hrs

GRA 2101C Introduction to Computer Art 3 hrs

Any ART prefix, studio, or media courses at the 2000-4000 levels 3 hrs

See "Common Prerequisites" in the Transfer and Transitions Services section for more information

3. Core Requirements: Basic Level (6 hrs)

ARH 2500 History of Non-Western Art 3 hrs

ART 2823 Art as Interface 3 hrs

4. Core Requirements: Advanced Level

ART 3950 Portfolio Review 0 hrs

5. Restricted Electives (42 hrs)

a. Specialization: 18 hrs

■ Select six upper division courses from one area:

Book Arts

ART 3170C Book Binding or 3 hrs

ART 3171C Materials for Artist Books or 3 hrs

ART 3175C Advanced Issues in Contemporary Book Arts or 3 hrs

ART 3176C The Illuminated Book or 3 hrs

ART 3737C Narrative Sculpture or 3 hrs

ART 4172C Book Repair and Restoration or 3 hrs

ART 4173C The Artist Book or 3 hrs

ART 4174C The Printed Book or 3 hrs

ART 4177C Commercial Book Design and Publishing or 3 hrs

ART 4644C Books Without Books 3 hrs

Ceramics/Sculpture Combination

ART 3761C Intermediate Ceramics or 3 hrs

ART 3764C Ceramic Handbuilding I or 3 hrs

¹ ART 4783C Advanced Ceramics or 3 hrs

ART 4786C Ceramic Raw Material or 3 hrs

ART 3709C Intermediate Sculpture or 3 hrs

¹ ART 4710C Advanced Sculpture 3 hrs

Drawing

ART 3332C Intermediate Drawing or 3 hrs

¹ ART 4320C Advanced Drawing 3 hrs

Drawing/Printmaking Combination

ART 3332C Intermediate Drawing or 3 hrs

¹ ART 4320C Advanced Drawing or 3 hrs

ART 3433C Screenprinting or 3 hrs

¹ ART 4402C Advanced Printmaking 3 hrs

Drawing/Illustration Combination

ART 3332C Intermediate Drawing or 3 hrs

¹ ART 4320C Advanced Drawing or 3 hrs

GRA 3747C Intermediate Illustration I or 3 hrs

¹ GRA 4154C Advanced Illustration 3 hrs

Painting

ART 3504C Intermediate Painting or 3 hrs

¹ ART 4505C Advanced Painting 3 hrs

Photography

PGY 3410C Intermediate Photography or 3 hrs

¹ PGY 4420C Advanced Photography or 3 hrs

PGY 4440C Special Problems in Photography 3 hrs

¹ May be repeated for credit.

b. Electives in Art: 15 hrs

■ Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization: Book Arts, Ceramics, Drawing, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.

c. Additional Electives 9 hrs

■ Select three upper division Art History courses or

■ Select one upper division course in Art History or Humanities and a maximum of six hours of Independent Study, Practicum, and Internship are permitted.

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement

Graduation

■ Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for languages may be used to meet the requirement.

8. Electives

■ Select primarily from upper level courses, with school advisor's approval. May be outside of the department.

9. Additional Requirements

■ None

10. Required Minors

■ None



11. Departmental Exit Requirements (3 hrs)

- ART 4935 BFA Exhibit/Seminar required. (BFA Exhibit Seminar is only offered during Spring Semester.)
- Maintain at least a "B" (3.0) GPA in all major requirements.
- Each senior is required to submit a portfolio of representative work in the student's specialization, for review and approval by faculty, during their last semester of matriculation toward the degree.
- Computer Competency met by STA 1063C or GRA 2101C.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Art - History Track
- Art - Emerging Media Track
- Art - Visual Arts and Emerging Media Management Track

Certificates

- None

Related Minors

- Community Arts - PAVE

Advising Notes

- <http://svad.cah.ucf.edu/students>
- svadadvising@ucf.edu

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- GRA 2101C*. A student may substitute any three hour digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$31.50 per term
- Full-Time Student: \$63 per term

Art - Studio Track (B.A.)

College of Arts and Humanities

School of Visual Arts and Design,

Visual Arts Building, Room: 117

<http://svad.cah.ucf.edu/>

Email: svadadvising@ucf.edu

Phone: 407-823-2676

Note: Although the School maintains a computer lab for student use, students must have continual access to a laptop computer. Contact

the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements

- All students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.

- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Arts and Design. Nine of these hours must be in an area of specialization.
- Grades below "C" (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor at least once annually.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required	ARH 2050	History of Western Art I	3 hrs
Required	ARH 2051	History of Western Art II	3 hrs
	Select a course from group B.1		3 hrs

C: Mathematical Foundations (6 hrs)

Math: 6 hrs

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs
	or		

You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers 3 hrs

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

ARH 2050	History of Western Art I	GEP
ARH 2051	History of Western Art II	GEP
ART 2201C	Design Fundamentals-Two Dimensional	3 hrs
ART 2203C	Design Fundamentals-Three Dimensional	3 hrs
ART 2300C	Drawing Fundamentals I	3 hrs
ART 2301C	Drawing Fundamentals II	3 hrs
GRA 2101C	Introduction to Computer Art	3 hrs
Any ART 2XXX-4XXX studio or media course.		3 hrs

3. Core Requirements: Basic Level (6 hrs)

ARH 2500	History of Non-Western Art	3 hrs
ART 2823	Art as Interface	3 hrs
ART 3950	Portfolio Review	0 hrs

4. Core Requirements: Advanced Level

- None

5. Restricted Electives (27 hrs)

- Select nine upper division courses representative from at least three different areas:

Art History

Any upper-level ARH course(s)



UCF Degree Programs

Book Arts

ART 3170C	Book Binding	3 hrs
ART 3171C	Materials for Artist Books	3 hrs
ART 3175C	Advanced Issues in Contemporary Book Arts	3 hrs
ART 3176C	The Illuminated Book	3 hrs
¹ ART 3737C	Narrative Sculpture	3 hrs
ART 4172C	Book Repair and Restoration	3 hrs
ART 4173C	The Artist Book	3 hrs
ART 4174C	The Printed Book	3 hrs
ART 4177C	Commercial Book Design and Publishing	3 hrs
¹ ART 4644C	Books Without Books	3 hrs

¹ May be repeated for credit.

Ceramics

ART 3761C	Intermediate Ceramics	3 hrs
¹ ART 4783C	Advanced Ceramics	3 hrs

¹ May be repeated for credit.

Drawing and Printmaking

ART 3332C	Intermediate Drawing	3 hrs
ART 3433C	Screenprinting	3 hrs
¹ ART 4320C	Advanced Drawing	3 hrs
¹ ART 4402C	Advanced Printmaking	3 hrs

¹ May be repeated for credit.

Illustration

GRA 3747C	Intermediate Illustration I	3 hrs
¹ GRA 4154C	Advanced Illustration	3 hrs

¹ May be repeated for credit.

Painting

ART 3504C	Intermediate Painting	3 hrs
¹ ART 4505C	Advanced Painting	3 hrs

¹ May be repeated for credit.

Photography

PGY 3410C	Intermediate Photography	3 hrs
¹ PGY 4420C	Advanced Photography	3 hrs
PGY 4440C	Special Problems in Photography	3 hrs

¹ May be repeated for credit.

Sculpture

ART 3709C	Intermediate Sculpture	3 hrs
¹ ART 4710C	Advanced Sculpture	3 hrs

¹ May be repeated for credit.

Time Arts

ART 3161	Mixed Media	3 hrs
ART 3833C	Processes and Ideas in Art	3 hrs
ART 4634C	Web Art	3 hrs
¹ FIL 4735C	Advanced Animation	3 hrs
¹ FIL 4750C	Animation Workshop	3 hrs

¹ May be repeated for credit.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

■ Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

■ Select primarily from upper level courses, with school advisor's approval. May be outside of the school. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted.)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

■ Achieve at least a GPA (2.0) overall in courses within the major.

■ Computer Competency met by:

STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
GRA 2101C	Introduction to Computer Art	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Art Education
- Art - Emerging Media Track

Certificates

- None

Related Minors

- Digital Media

Advising Notes

- <http://svad.cah.ucf.edu/students>
- svadadvising@ucf.edu

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

For common program prerequisites if taken.

GRA 2101C	Introduction to Computer Art	3 hrs

may be substituted with:

Plan of Study		
Freshman Year - Fall		15 hrs
ARH 2050	History of Western Art I	3 hrs
ENC 1101	Composition I	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
ART 2823	Art as Interface	3 hrs

Freshman Year - Spring

ARH 2051	History of Western Art II	3 hrs
ENC 1102	Composition II	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
ART 2201C	Design Fundamentals-Two Dimensional	3 hrs
Restricted Elective		3 hrs

Sophomore Year - Fall

COM 1000	Introduction to Communication	3 hrs
POS 2041	American National Government	3 hrs
ART 2203C	Design Fundamentals-Three Dimensional	3 hrs
ART 2300C	Drawing Fundamentals I	3 hrs
GRA 2101C	Introduction to Computer Art	3 hrs

Sophomore Year - Spring

ANT 2000	General Anthropology	3 hrs
BSC 1005	Biological Principles	3 hrs
CHM 1020	Concepts in Chemistry	3 hrs
ART 2301C	Drawing Fundamentals II	3 hrs
ARH 2500	History of Non-Western Art	3 hrs
ART 3950	Portfolio Review	0 hrs

Junior Year - Fall

ART 3332C	Intermediate Drawing	3 hrs
GRA 3747C	Intermediate Illustration I	3 hrs
¹ SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

¹ Any language at this level is acceptable.



Junior Year - Spring		16 hrs
ART 3161	Mixed Media	3 hrs
ART 4320C	Advanced Drawing	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
¹ SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs

¹ Any language at this level is accepted.

Senior Year - Fall		15 hrs
ARH 4350	Baroque Art	3 hrs
ART 4320C	Advanced Drawing	3 hrs
PGY 3410C	Intermediate Photography	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Senior Year - Spring		15 hrs
ARH 4430	19th Century Art	3 hrs
GRA 4154C	Advanced Illustration	3 hrs
PGY 4420C	Advanced Photography	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$31.50 per term
- Full-Time Student: \$63 per term

Art - Visual Arts and Emerging Media Management Track (B.A.)

College of Arts and Humanities

School of Visual Arts and Design,

Visual Arts Building, Room: 117

<http://svad.cah.ucf.edu/>

Email: svadadvising@ucf.edu

Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 as noted.
- Co-op internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor at least once annually.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 9 hrs

Suggested ARH 2050 History of Western Art I and 3 hrs

Suggested ARH 2051 History of Western Art II and 3 hrs

Select a course from group B.1 3 hrs

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs

Suggested MGF 1107 Explorations in Mathematics 3 hrs

or

You may substitute a higher level math with appropriate scores on the Math Placement Exam. 3 hrs

Statistics - Computers 3 hrs

Prefer STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

ART 2201C Design Fundamentals-Two Dimensional 3 hrs

ART 2203C Design Fundamentals-Three Dimensional 3 hrs

ART 2300C Drawing Fundamentals I 3 hrs

ART 2301C Drawing Fundamentals II 3 hrs

ARH 2050 History of Western Art I GEP

ARH 2051 History of Western Art II GEP

¹ GRA 2101C Introduction to Computer Art 3 hrs

ART 2XXX-4XXX Any ART prefix, studio, or media 3 hrs

course

See "Common Prerequisites" in the Transfer and Transitions Services section for more information

¹ See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (6 hrs)

ART 2823 Art as Interface 3 hrs

ARH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (3 hrs)

GEB 3031 Cornerstone: Professional Skills for Business 3 hrs

¹ ART 3950 Portfolio Review 0 hrs

¹ Only required if the student intends to enroll in courses that require this as a pre-requisite

5. Restricted Electives (21 hrs)

■ Select restricted electives as required from each of these four areas of emphasis:

Aesthetics and Theory 6 hrs

Select 2: 6 hrs

ARH 4450 20th Century Art or 3 hrs

ARH 3471 Art in the Last 25 Years or 3 hrs

ARH 3710 History of Photography I or 3 hrs

ARH 3711 History of Photography II or 3 hrs

ARH 3720 History of Prints or 3 hrs

ARH 4800 Theory and Criticism of the Visual Arts or 3 hrs

PHI 3800 Aesthetics 3 hrs

Written Communication 3 hrs

Select 1: 3 hrs

DIG 3024 Digital Cultures & Narrative or 3 hrs

ENC 3241 Writing for the Technical Professional or 3 hrs

ENC 3250 Professional Writing or 3 hrs

ENC 3311 Essay as Cultural Commentary or 3 hrs

ENC 4416 Writing in Digital Environments 3 hrs

Information Management 6 hrs

Select 2: 6 hrs

DIG 3043 Evolution of Video Games or 3 hrs

¹ DIG 3525 Digital Media Production I or 3 hrs

DIG 3480C Computer as a Medium or 3 hrs

¹ DIG 3563 Information Management and 3 hrs

Entrepreneurship or

DIG 3716C Internet Interaction or 3 hrs

DIG 4630C Media Business Practices or 3 hrs

DIG 5565C Digital Asset Management Systems or 3 hrs

FIL 4040 Animation Film History for Non Film Majors 3 hrs

¹ These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship

UCF Degree Programs

Business	3 hrs
Select 1:	3 hrs
¹ GEB 3113 Creativity and Entrepreneurship or	3 hrs
MAR 3023 Marketing or	4 hrs
MAN 3025 Management of Organizations or	4 hrs
BUL 3130 Legal and Ethical Environment of Business	4 hrs

¹ These courses may also be applied toward an 18 credit Minor in Technical Entrepreneurship

Arts Management	3 hrs
■ Select one:	
FIL 5612 Film and Internet Business	3 hrs
ARE 3944 Community Arts Practicum	3 hrs
ARE 4260 Methods in Art Administration	3 hrs
ARH 3820 Visual Arts Administration Vitas	3 hrs
FIL 4647 Film Production Management	3 hrs
PGY 3480 Museum and Gallery Practices	3 hrs

6. Capstone Requirements	
DIG 4855 Converging Media Capstone	3 hrs

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- (Credit hours are variable)
- Select primarily from upper level courses, with school advisor's approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, or Internship permitted)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Art - History Track
- Art - Studio Art Track
- Art Education

Certificates

- None

Related Minors

- Community Arts - PAVE
- Digital Media
- Technological Entrepreneurship

Advising Notes

- <http://svad.cah.ucf.edu/students>
- svadadvising@ucf.edu

Transfer Notes

- Grades less than a "C" (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide supporting information.

Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- GRA 2101C: may substitute 3 hours of any digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study

Freshman Year - Fall	15 hrs
ARH 2050 History of Western Art I	3 hrs
ENC 1101 Composition I	3 hrs
¹ HUM 2210 Humanistic Tradition I	3 hrs
² MGF 1106 Finite Mathematics	3 hrs
ART 2823 Art as Interface	3 hrs

¹ req #1B1-GEP

² req #1C1-GEP

Freshman Year - Spring	15 hrs
ARH 2051 History of Western Art II	3 hrs
ENC 1102 Composition II	3 hrs
STA 1063C Basic Statistics Using Microsoft Excel	3 hrs
ART 2201C Design Fundamentals-Two Dimensional	3 hrs
¹ Supporting Elective	3 hrs

¹ Check restrictions

Sophomore Year - Fall	15 hrs
¹ COM 1000 Introduction to Communication	3 hrs
² POS 2041 American National Government	3 hrs
ART 2203C Design Fundamentals-Three Dimensional	3 hrs
ART 2300C Drawing Fundamentals I	3 hrs
GRA 2101C Introduction to Computer Art	3 hrs

¹ req #1A3-GEP

² req #1D1-GEP

Sophomore Year - Spring	15 hrs
¹ ANT 2000 General Anthropology	3 hrs
² BSC 1005 Biological Principles	3 hrs
³ CHM 1020 Concepts in Chemistry	3 hrs
ART 2301C Drawing Fundamentals II	3 hrs
ARH 2500 History of Non-Western Art	3 hrs
ART 3950 Portfolio Review	0 hrs

¹ req #1D2-GEP

² req# 1E2-GEP

³ req #1E1-GEP

Junior Year - Fall	15 hrs
GEB 3031 Cornerstone: Professional Skills for Business	3 hrs
¹ SPN 1120C Elementary Spanish Language and Civilization I	4 hrs
² Restricted Elective	3 hrs
³ Supporting Elective	1 hr
³ Supporting Elective	3 hrs

¹ req #Lang/Elect

² req #5

³ Check restrictions

Junior Year - Spring	16 hrs
¹ SPN 1121C Elementary Spanish Language and Civilization II	4 hrs
² Restricted Elective	3 hrs
² Restricted Elective	3 hrs
³ Supporting Elective	3 hrs
³ Supporting Elective	3 hrs

¹ req #Lang/Elect

² req #5

³ Check restrictions

Senior Year - Fall	15 hrs
¹ Restricted Elective	3 hrs
¹ Restricted Elective	3 hrs
² Supporting Elective	3 hrs
² Supporting Elective	3 hrs
² Supporting Elective	3 hrs

¹ req #5

² Check restrictions

Senior Year - Spring	15 hrs
1 Restricted Elective	3 hrs
1 Restricted Elective	3 hrs
2 Supporting Elective	3 hrs
2 Supporting Elective	3 hrs
DIG 4855 Converging Media Capstone	3 hrs

¹ req #5

² Check restrictions

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alac/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$31.50 per term
- Full-Time Student: \$63 per term

Art Education (B.S.)

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209

<http://education.ucf.edu/arted>

Dr. Thomas Brewer, ED 122U, Thomas.Brewer@ucf.edu,
 407-823-3714

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu,
 407-823-5430

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)

- Students are strongly advised to take the preferred courses.

A: Communication Foundations	(9 hrs)
Required ENC 1101 Composition I	3 hrs
Required ENC 1102 Composition II	3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer AMH 2010 U.S. History: 1492-1877	3 hrs
Prefer AMH 2020 U.S. History: 1877-Present	3 hrs
¹ Required ARH 2050 History of Western Art I	3 hrs

¹ A grade of "C-" (1.75) or better is required

C: Mathematical Foundations	(6 hrs)
Prefer MGF 1106 Finite Mathematics	3 hrs

Select 1: (3 hrs)

Prefer STA 1063C Basic Statistics Using Microsoft Excel or	3 hrs
Prefer STA 2014C Principles of Statistics	3 hrs

D: Social Foundations (6 hrs)

Prefer POS 2041 American National Government	3 hrs
Prefer PSY 2012 General Psychology	3 hrs

E: Science Foundations (6 hrs)

Prefer PSC 1121 Physical Science	3 hrs

Select 1: (3 hrs)

Prefer ANT 2511 The Human Species or	3 hrs
Prefer BSC 1005 Biological Principles	3 hrs

2. Common Program Prerequisites (CPP) (24 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession	3 hrs
¹ EDF 2085 Introduction to Diversity for Educators	3 hrs
EME 2040 Introduction to Technology for Educators	3 hrs
ART 2300C Drawing Fundamentals I	3 hrs
ART 2201C Design Fundamentals-Two Dimensional	3 hrs
ART 2203C Design Fundamentals-Three Dimensional	3 hrs
ART 2301C Drawing Fundamentals II	3 hrs
ARH 2050 History of Western Art I	GEP
ARH 2051 History of Western Art II	3 hrs

¹ In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (12 hrs)

ARH 2050 History of Western Art I	GEP
ARH 2051 History of Western Art II	CPP
ART 2201C Design Fundamentals-Two Dimensional	CPP
ART 2203C Design Fundamentals-Three Dimensional	CPP
ART 2300C Drawing Fundamentals I	CPP
ART 2301C Drawing Fundamentals II	CPP
GRA 2101C Introduction to Computer Art	3 hrs
ART 2754C Beginning Ceramics	3 hrs
ART 2500C Beginning Painting	3 hrs
PGY 2401C Beginning Photography	3 hrs

4. Core Requirements: Advanced Level (54 hrs)

Education Core Requirements (15 hrs)

EDG 4410 Teaching Strategies and Classroom Management	3 hrs
EDF 4467 Learning Theory and Assessment	3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools	3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12	3 hrs

Internship I (3 hrs)

- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required art courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester and before application to Internship I.

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.



UCF Degree Programs

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicalexp/>

ARE 3940 Internship 3 hrs

Specialization Requirements 15 hrs

ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs

ARE 4351 Teaching Art in the Elementary School 3 hrs

ARE 4352 Teaching Art in the Secondary School 3 hrs

ARE 4250 Art for Exceptionalities 3 hrs

ARE 4453 Studio Experiences in Art Education 3 hrs

5. Restricted Electives (9 hrs)

■ Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor's approval)

6. Capstone Requirements (12 hrs)

■ Passing score on the Subject Area Examination (Art K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

■ All art courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicalexp/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education rule 6A-5.066.

ARE 4941 Internship 12 hrs

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 126

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

■ None

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

■ The program of study will be affected by course offerings and availability. Please see the Art Education website at <http://education.ucf.edu/arted/> for the advising policy.

Freshman Year - Fall 15 hrs

AMH 2010 U.S. History: 1492-1877 3 hrs

ENC 1101 Composition I 3 hrs

MGF 1106 Finite Mathematics 3 hrs

ARH 2050 History of Western Art I 3 hrs

PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs

AMH 2020 U.S. History: 1877-Present 3 hrs

ARH 2051 History of Western Art II 3 hrs

ENC 1102 Composition II 3 hrs

ART 2201C Design Fundamentals-Two Dimensional 3 hrs

Freshman Year - Summer 6 hrs

SPC 1608 Fundamentals of Oral Communication 3 hrs

PSC 1121 Physical Science 3 hrs

Sophomore Year - Fall 12 hrs

ART 2203C Design Fundamentals-Three Dimensional 3 hrs

BSC 1005 Biological Principles 3 hrs

EDF 2005 Introduction to the Teaching Profession 3 hrs

Select 1: 3 hrs

STA 2014C Principles of Statistics or 3 hrs

STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring 15 hrs

GRA 2101C Introduction to Computer Art 3 hrs

ART 2300C Drawing Fundamentals I 3 hrs

EDF 2085 Introduction to Diversity for Educators 3 hrs

EME 2040 Introduction to Technology for Educators 3 hrs

POS 2041 American National Government 3 hrs

Sophomore Year - Summer 6 hrs

TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Students in Schools

ART 2301C Drawing Fundamentals II 3 hrs

Junior Year - Fall 15 hrs

ARE 4356 Teaching Art Appreciation & Criticism in 3 hrs

the Classroom

PGY 2401C Beginning Photography 3 hrs

EDF 4467 Learning Theory and Assessment 3 hrs

EDG 4410 Teaching Strategies and Classroom 3 hrs

Management

ART 2500C Beginning Painting 3 hrs

Junior Year - Spring 15 hrs

ARE 4352 Teaching Art in the Secondary School 3 hrs

ARE 4453 Studio Experiences in Art Education 3 hrs

RED 4043 Content Reading in Kindergarten through 3 hrs

Grade 12

ARE 4250 Art for Exceptionalities 3 hrs

Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ 3 hrs

Advisor approval)

Junior Year - Summer 6 hrs

ART 2754C Beginning Ceramics 3 hrs

Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ 3 hrs

Advisor approval)



Senior Year - Fall		12 hrs
ARE 4351	Teaching Art in the Elementary School	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
ARE 3940	Internship	3 hrs
Restricted Electives (Any ART/ARH/ARE/PGY 3/4XXX w/ Advisor approval)		3 hrs

Senior Year - Spring		12 hrs
ARE 4941	Internship	12 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$12 per term
- Full-Time Student: \$24 per term

Athletic Training (B.S.)

College of Health and Public Affairs

Department of Health Professions,

Health & Public Affairs II, Room: 118/119

<http://www.cohpa.ucf.edu/athletictraining>

Email: atinfo@ucf.edu

Kristen C. Schellhase

Phone: 407-823-2747

Admission Requirements

- Students may only begin the athletic training program track in the Summer B semester and must have:
- A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur. Acceptance into the University does not constitute admission into the Program in Athletic Training.
- A minimum of 2.75 overall grade point average and a minimum grade of "C" (2.0) in program prerequisites.
- Completion of an AA degree from a Florida College or completion of UCF's General Education Program.
- This program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Consent of Program Director.
- A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

Technical Standards Requirement

■ The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program's accrediting agency (Commission on Accreditation of Athletic Training Education [CAATE]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into

the program. Compliance with the program's technical standards does not guarantee a student's eligibility for the BOC examination.

■ Candidates for selection to the Program in Athletic Training will be required to verify they understand and meet these technical standards or they believe that, with certain accommodations, they can meet the standards. The University of Central Florida will evaluate a student who states he/she could meet the program's technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws. If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internship deemed essential to graduation. Each candidate must provide a copy of a recent physical examination by a physician.

■ The technical standards for admission into the Program in Athletic Training include:

- The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm;
- Sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients;
- The ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice;
- The ability to record the physical examination results and a treatment plan clearly and accurately;
- The capacity to maintain composure and continue to function well during periods of high stress;
- The perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced;
- Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations; and
- Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Degree Requirements

- Students who are accepted into the Program in Athletic Training must adopt the most current catalog
- Students should complete the General Education Program, Admission Foreign Language requirement and the Common Program Prerequisites before transferring within the Florida College System or State University System
- Students should consult with a departmental advisor
- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Program in Athletic Training, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflicts
- The courses designated in sections 1 and 2 below may be taken at a Florida College, and should usually be completed in the first 60 hours.
- UCF Residency Requirement: 30 hours



UCF Degree Programs

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations (9 hrs)

Suggested	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required	STA 2023	Statistical Methods I	3 hrs
Required	MAC 1114C	College Trigonometry	3 hrs

D: Social Foundations (6 hrs)

Suggested	POS 2041	American National Government	3 hrs
Required	PSY 2012	General Psychology	3 hrs

E: Science Foundations (8 hrs)

Required	BSC 2010C	Biology I	4 hrs
Suggested	CHM 2045C	Chemistry Fundamentals I	4 hrs

2. Common Program Prerequisites (CPP) (15 hrs)

■ The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of a "C" (2.0) or better.

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

BSC 2010C	Biology I	GEP
ZOO 3733C	Human Anatomy	4 hrs
PCB 3703C	Human Physiology	4 hrs
HUN 2201	Fundamentals of Human Nutrition	3 hrs
STA 2023	Statistical Methods I	GEP
PSY 2012	General Psychology	GEP

Select 1: (4 hrs)

■ One of the following courses must be taken as a prerequisite or co-requisite to core requirements:

PHY 2053C	College Physics I or	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (62 hrs)

Professional Phase

■ The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of "C" (2.0) or better.

ATR 4014C	Introduction to Athletic Training	3 hrs
ATR 3102	Principles of Athletic Training	3 hrs
ATR 3012C	Clinical Skills for Athletic Trainers I	2 hrs
ATR 3812L	Practicum in Athletic Training I	4 hrs
HSC 3147	Introduction to Pharmacology	3 hrs
ATR 3212C	Recognition and Evaluation of Athletic Injuries I	3 hrs
PET 4315C	Biomechanics of Sport	3 hrs
ATR 3822L	Practicum in Athletic Training II	4 hrs
ATR 4213C	Recognition and Evaluation of Athletic Injuries II	3 hrs
ATR 3013C	Clinical Skills for Athletic Training II	2 hrs
ATR 4313C	Therapeutic Exercise in Athletic Training	4 hrs
ATR 4302C	Therapeutic Modalities in Athletic Training	4 hrs
ATR 4512C	Organization and Administration of Athletic Training	3 hrs
PET 3510C	Physiologic & Metabolic Basis of Human Movement & Performance	3 hrs
ATR 4315C	Advanced Rehabilitation in Athletic Training	3 hrs
ATR 4832L	Practicum in Athletic Training III	4 hrs
PET 4606	Applied Fitness in Sport	3 hrs
ATR 4842L	Practicum in Athletic Training IV	4 hrs
ATR 4103	Case Studies in Sports Medicine	3 hrs
ATR 4933	Athletic Training Seminar	1 hr

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sport and Exercise Science.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ A minimum overall GPA of 2.75 and a minimum grade of "C" (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates are eligible to apply to take the Board of Certification (BOC) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Program in Athletic Training.

■ Two years of successful clinical rotation under the direct supervision of an approved preceptor.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

- Sport and Exercise Science
- Health Services Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track

Certificates

■ None

Related Minors

■ Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

- Business
- Aging Studies
- Biology
- Coaching
- Fitness Training
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- Public Administration
- Education
- Sport Business Management

Advising Notes

■ None

Transfer Notes

■ None



Acceptable Substitutes for Transfer Courses

- Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086)
- Biology I with Lab (BSC 1010 and BSC 1010L)
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall 15 hrs

ENC 1101	Composition I	3 hrs
PSY 2012	General Psychology	3 hrs
HSC 2000	Introduction to the Allied Health Professions	2 hrs
MAC 1105C	College Algebra	3 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs

Freshman Year - Spring 13 hrs

ENC 1102	Composition II	3 hrs
POS 2041	American National Government	3 hrs
BSC 2010C	Biology I	4 hrs
MAC 1114C	College Trigonometry	3 hrs

Sophomore Year - Fall 14 hrs

PHY 2053C	College Physics I	4 hrs
ZOO 3733C	Human Anatomy	4 hrs
STA 2023	Statistical Methods I	3 hrs

Select 1: 3 hrs

EUH 2000	Western Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I or	3 hrs
AMH 2010	U.S. History: 1492-1877 or	3 hrs
WOH 2012	World Civilization I	3 hrs

Sophomore Year - Spring 16 hrs

HUN 2201	Fundamentals of Human Nutrition	3 hrs
PCB 3703C	Human Physiology	4 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

Select 1: 3 hrs

MUL 2010	Enjoyment of Music or	3 hrs
REL 2300	World Religions or	3 hrs
THE 2000	Theatre Survey or	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs

Select 1: 3 hrs

EUH 2001	Western Civilization II or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
AMH 2020	U.S. History: 1877-Present or	3 hrs
WOH 2022	World Civilization II	3 hrs

Sophomore Year - Summer 10 hrs

ATR 4014C	Introduction to Athletic Training	3 hrs
ATR 3102	Principles of Athletic Training	3 hrs
Foreign Language (If not satisfied in high school)		4 hrs

Junior Year - Fall 12 hrs

ATR 3812L	Practicum in Athletic Training I	4 hrs
ATR 3012C	Clinical Skills for Athletic Trainers I	2 hrs
HSC 3147	Introduction to Pharmacology	3 hrs
ATR 3212C	Recognition and Evaluation of Athletic Injuries I	3 hrs
Free Elective		3 hrs

Junior Year - Spring 12 hrs

PET 4315C	Biomechanics of Sport	3 hrs
ATR 3822L	Practicum in Athletic Training II	4 hrs
ATR 4213C	Recognition and Evaluation of Athletic Injuries II	3 hrs
ATR 3013C	Clinical Skills for Athletic Training II	2 hrs
Free Elective		3 hrs

Junior Year - Summer 8 hrs

ATR 4313C	Therapeutic Exercise in Athletic Training	4 hrs
ATR 4302C	Therapeutic Modalities in Athletic Training	4 hrs

Senior Year - Fall 13 hrs

ATR 4512C	Organization and Administration of Athletic Training	3 hrs
PET 3510C	Physiologic & Metabolic Basis of Human Movement & Performance	3 hrs
ATR 4315C	Advanced Rehabilitation in Athletic Training	3 hrs
ATR 4832L	Practicum in Athletic Training III	4 hrs

Senior Year - Spring 11 hrs

ATR 4933	Athletic Training Seminar	1 hr
PET 4606	Applied Fitness in Sport	3 hrs
ATR 4842L	Practicum in Athletic Training IV	4 hrs
ATR 4103	Case Studies in Sports Medicine	3 hrs
Free Elective		3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$19.50 per term
- Full-Time Student: \$39 per term

Biology (B.S.)

College of Sciences

Department of Biology, BL, Room: 301

<http://www.cos.ucf.edu/biology>

Email: biology@ucf.edu

Frank Logiudice

Phone: 407-823-2141

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.

- Co-op or internship credit cannot be used in this major
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.

- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.

- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

- Biology majors must earn a "C" (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.

- All prerequisites of courses taught within the College of Sciences will be enforced.

- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:

BSC 4422L	Biology Laboratory Techniques	1 hr
BSC 4937	Instructional Experiences in Undergraduate Biology	2 hrs

- Upon reaching junior standing, Biology majors are expected to have completed the following courses and associate chemistry laboratories. These classes are prerequisites for advanced science classes and students entering the major without these classes will be unable to register for most of the advanced courses.

BSC 2010C	Biology I	4 hrs
BSC 2011C	Biology II	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
PHY 2053C	College Physics I	4 hrs
PHY 2054C	College Physics II	4 hrs

1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

UCF Degree Programs

A: Communication Foundations	(9 hrs)
Required ENC 1101 Composition I	3 hrs
Required ENC 1102 Composition II	3 hrs
Prefer SPC 1603C Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations	(9 hrs)

C: Mathematical Foundations	(6 hrs)

Mathematics:	3 hrs

■ Note: Prior to enrolling in Math, take Math Placement

Test ~ <http://utc.sdes.ucf.edu>

Suggested MAC 2233 Concepts of Calculus or	3 hrs

Suggested MAC 2253 Applied Calculus or	3 hrs

Prefer MAC 2311C Calculus with Analytic Geometry I	4 hrs

Statistics	3 hrs

Required STA 2023 Statistical Methods I	3 hrs

D: Social Foundations	(6 hrs)

E: Science Foundations	(8 hrs)

Required BSC 2010C Biology I	4 hrs

Note: a minimum grade of "C" (2.0) is required for this Biology course to be used as a prerequisite.

Select the sequence identified by the Chemistry

Placement exam;

■ Prior to enrolling in Chemistry, take Chemistry

Placement Test- <http://chemplacement.sdes.ucf.edu>

- For students with a strong chemistry background and a high Chemistry

Placement score:

Required CHM 2045C Chemistry Fundamentals I	4 hrs

or - Students with little chemistry background should take this two semester equivalent instead.

Required CHM 2040 Chemistry Fundamentals IA	3 hrs

and	

Required CHM 2041 Chemistry Fundamentals IB	3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ See Transfer Notes for possible substitutes for the following courses.

Biology:

BSC 2010C Biology I	GEP

BSC 2011C Biology II	4 hrs

Chemistry:

CHM 2045C Chemistry Fundamentals I	4 hrs

or - both of the following:

CHM 2040 Chemistry Fundamentals IA and	3 hrs

CHM 2041 Chemistry Fundamentals IB	3 hrs

and- both of the following:

CHM 2046 Chemistry Fundamentals II	3 hrs

CHM 2046L Chemistry Fundamentals Laboratory	1 hr

Math:

■ Select one math course and this statistics course.

MAC 2233 Concepts of Calculus or	GEP

MAC 2253 Applied Calculus or	GEP

MAC 2311C Calculus with Analytic Geometry I or	GEP

STA 2023 Statistical Methods I	GEP

Physics: Complete one entire sequence 8 hrs

PHY 2053C College Physics I and	4 hrs

PHY 2054C College Physics II	4 hrs

- or 8 hrs

PHY 2048C Physics for Engineers & Scientists I and	4 hrs

PHY 2049C Physics for Engineers and Scientists II	4 hrs

3. Core Requirements: Basic Level (8 hrs)

■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core;

Basic Core: Required, satisfies the CPP

Biology:

■ Note: a minimum grade of "C" (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.

BSC 2010C Biology I and	GEP/CPP

BSC 2011C Biology II	GEP/CPP

Chemistry:

CHM 2045C Chemistry Fundamentals I	GEP/CPP

- or

CHM 2040 Chemistry Fundamentals IA and	GEP/CPP

CHM 2041 Chemistry Fundamentals IB	GEP/CPP

- and

CHM 2046 Chemistry Fundamentals II and	CPP

CHM 2046L Chemistry Fundamentals Laboratory	CPP

Math:

■ Students planning on entering professional or graduate school may wish to take additional Calculus courses.

Students are urged to consult their departmental advisor.

MAC 2233 Concepts of Calculus or	GEP/CPP

MAC 2253 Applied Calculus or	GEP/CPP

MAC 2311C Calculus with Analytic Geometry I	GEP/CPP

- and

STA 2023 Statistical Methods I	GEP/CPP

Physics: Complete one entire sequence

PHY 2053C College Physics I and	GEP/CPP

PHY 2054C College Physics II	CPP

- or

PHY 2048C Physics for Engineers & Scientists I and	CPP

PHY 2049C Physics for Engineers and Scientists II	CPP

Basic Core: Additional Requirements

Chemistry:

■ Students planning on entering professional or graduate school should take Biochemistry and will thus need a year of Organic Chemistry. Students are urged to consult their departmental advisor.

Complete one entire sequence 8 hrs

CHM 2210 Organic Chemistry I and	3 hrs

CHM 2211 Organic Chemistry II and	3 hrs

CHM 2211L Organic Laboratory Techniques I	2 hrs

- or:

CHM 2205 Introduction to Organic and Biochemistry	5 hrs

and	

CHM 3120 Analytical Chemistry and	3 hrs

CHM 3120L Analytical Chemistry Laboratory	1 hr

4. Core Requirements: Advanced Level (13 hrs)

■ Note: a minimum grade of "C" (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.

PCB 3023 Molecular Cell Biology	3 hrs

PCB 3044 Principles of Ecology	3 hrs

PCB 3063 Genetics	3 hrs

PCB 4683 Evolutionary Biology	4 hrs

5. Restricted Electives (22 hrs)

■ Courses must be selected from the groupings listed below.

■ Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.

■ At least three credit hours from each group must be completed.

■ At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department. Courses offered by the Department of Biology have been identified. Additional courses may be used to meet a group requirement with approval of the undergraduate program coordinator via petition.



- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Courses at the 5000 level are only open to seniors and beginning graduate students.

Form/Function 3 hrs
Complete a minimum of one lecture course 3 hrs
from this group.

BCH 4053	Biochemistry I or	3 hrs
BCH 4054	Biochemistry II or	3 hrs
¹ BOT 4223C	Plant Anatomy or	4 hrs
¹ BOT 4303C	Plant Kingdom or	5 hrs
¹ BOT 4503	Plant Physiology or	3 hrs
² PCB 3063L	Genetics Laboratory or	1 hr
PCB 3233	Immunology or	3 hrs
PCB 3703C	Human Physiology or	4 hrs
² PCB 4514	Genetics II or	3 hrs
PCB 4524	Molecular Biology II or	3 hrs
² PCB 4678	Evolution and Medicine or	3 hrs
² PCB 4683L	Evolutionary Biology Lab or	1 hr
² PCB 4684	Population Genetics or	3 hrs
³ PCB 4723	Animal Physiology or	4 hrs
² PCB 5935	Population Genetics or	3 hrs
³ ZOO 3713C	Comparative Vertebrate Anatomy or	5 hrs
ZOO 3733C	Human Anatomy or	4 hrs
³ ZOO 4603C	Embryology/Development or	5 hrs
ZOO 4753C	Vertebrate Histology	4 hrs

¹ Fulfills Botany requirement. Offered in Biology department.

² Offered in Biology department.

³ Fulfills Zoology requirement. Offered in Biology department.

Environmental 3 hrs
Complete a minimum of one lecture course 3 hrs
from this group.

¹ BOT 3018C	Culinary Botany Across the Cultures or	3 hrs
¹ BOT 3152C	Local Flora or	3 hrs
¹ BOT 3802	Ethnobotany or	3 hrs
¹ BOT 4850	Medicinal Botany or	3 hrs
BSC 3052	Conservation Biology or	3 hrs
BSC 3312	Principles of Marine Biology or	3 hrs
² BSC 4312C	Advanced Marine Biology or	4 hrs
² BSC 4330	Invasion Biology or	3 hrs
² BSC 4821	Biogeography or	4 hrs
BSC 4861L	SL Sustainability: Socially & Economically	3 hrs
	Viable Environmental Protection or	
² BSC 5258L	Tropical Biology Research and	3 hrs
	Conservation or	
² PCB 3044L	Principles of Ecology Laboratory or	1 hr
³ PCB 3343L	Principles of Field Ecology or	5 hrs
PCB 3354	Tropical Ecology and Conservation or	3 hrs
² PCB 3355L	Tropical Marine Biology or	2 hrs
² PCB 3442	Aquatic Ecology or	3 hrs
² PCB 5435C	Marine Ecology of Florida or	4 hrs
² PCB 5485	Models in Ecology or	3 hrs
⁴ PAZ 4234	Zoo and Aquarium Management or	3 hrs
⁴ ZOO 4513	Animal Behavior	3 hrs

¹ Fulfills Botany requirement. Offered in Biology department.

² Offered in Biology department.

³ variable credit 2-5 hours

⁴ Fulfills Zoology requirement. Offered in Biology department.

Systematic 3 hrs
Complete a minimum of one lecture course 3 hrs
from this group.

ANT 3550C	Primatology or	3 hrs
BOT 4434C	General Mycology or	4 hrs
¹ BOT 4713C	Plant Taxonomy or	5 hrs
² ENY 4004C	General Entomology or	4 hrs
² ENY 5006C	Entomology or	4 hrs
MCB 3020C	General Microbiology or	5 hrs
² ZOO 4205C	Biology and Ecology of Metazoan	4 hrs
	Invertebrates or	
² ZOO 4310C	Vertebrate Evolution & Ecology or	4 hrs
² ZOO 4480	Mammalogy or	4 hrs
² ZOO 5456C	Ichthyology or	4 hrs

² ZOO 5463C	Herpetology or	4 hrs
² ZOO 5475L	Field Ornithology	3 hrs

¹ Fulfills Botany requirement. Offered in Biology department.

² Fulfills Zoology requirement. Offered in Biology department.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives used to satisfy the requirement.

- Students will be required to take a comprehensive exam in biology during their last semester. Students must take the exam during their term of graduation.

- Biology majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where the first semester of a two semester sequence has already been taken at a Florida College System institution.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Environmental Engineering
- Biomedical Sciences
- Science Education - Biology
- Interdisciplinary Studies - Environmental Studies Track

Certificates

- None

Related Minors

- Biology
- Environmental Studies
- Biomedical Sciences

Advising Notes

- Students are urged to contact their departmental advisor before registering for courses.
- It is the student's responsibility to ensure they have satisfied course prerequisites before registering for a class.

UCF Degree Programs

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
- BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
- BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010 and BOT X010 with labs.
- CHM 2045C: may use CHM X040 plus CHM X041.
- Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
- Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at <http://chemplacement.sdes.ucf.edu/>
- Prior to enrolling in Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt

Freshman Year - Fall	15 hrs
BSC 2010C Biology I	4 hrs
CHM 2045C Chemistry Fundamentals I	4 hrs
Math Course, depending on placement score	4 hrs
ENC 1101 Composition I	3 hrs

Freshman Year - Spring	14 hrs
BSC 2011C Biology II	4 hrs
CHM 2046 Chemistry Fundamentals II	3 hrs
CHM 2046L Chemistry Fundamentals Laboratory	1 hr
Note: This lab may be taken in a later term if seats are not available.	
ENC 1102 Composition II	3 hrs
Elective or Math course if needed	3 hrs

Sophomore Year - Fall	13 hrs
MAC 2311C Calculus with Analytic Geometry I	4 hrs
CHM 2210 Organic Chemistry I	3 hrs
PCB 3063 Genetics	3 hrs
PCB 3044 Principles of Ecology	3 hrs

Sophomore Year - Spring	16 hrs
CHM 2211 Organic Chemistry II	3 hrs
CHM 2211L Organic Laboratory Techniques I	2 hrs
Note: This lab may be taken in a later term if seats are not available.	
STA 2023 Statistical Methods I	3 hrs
Restricted Elective	5 hrs
GEP	3 hrs

Junior Year - Fall	15 hrs
PHY 2053C College Physics I	4 hrs
PCB 3023 Molecular Cell Biology	3 hrs
Restricted Elective	5 hrs
Elective	3 hrs

Junior Year - Spring	15 hrs
PHY 2054C College Physics II	4 hrs
Restricted Elective	4 hrs
GEP	3 hrs
Elective	4 hrs

Senior Year - Fall	16 hrs
PCB 4683 Evolutionary Biology	4 hrs
Restricted Elective	4 hrs
GEP	3 hrs
GEP	3 hrs
Elective	2 hrs

Senior Year - Spring	16 hrs
Restricted Elective	4 hrs
GEP	3 hrs
GEP	3 hrs
Elective	3 hrs
Elective	3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$24.85 per term
- Full-Time Student: \$49.70 per term

Biology - Preprofessional Concentration (B.S.)

College of Sciences

Department of Biology, Biology, Room: 301

<http://www.cos.ucf.edu/biology>

Email: biology@ucf.edu

Frank Logiudice

Phone: 407-823-2141

The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine. This curriculum suggests choices within the Biology major that may be more relevant to preprofessional majors.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Biology majors must earn a "C" (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:

BSC 4422L Biology Laboratory Techniques	1 hr
BSC 4937 Instructional Experiences in Undergraduate Biology	2 hrs

■ Upon reaching junior standing (60 hours), Biology majors are expected to have completed the following courses. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

BSC 2010C	Biology I	4 hrs
BSC 2011C	Biology II	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
PHY 2053C	College Physics I	4 hrs
PHY 2054C	College Physics II	4 hrs

1. UCF General Education Program (GEP) (39 hrs)

■ Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1603C	Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Mathematics: (4 hrs)

■ Note: Prior to enrolling in Math, take Math Placement

Test ~ <http://utc.sdes.ucf.edu>

Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs

Statistics: (3 hrs)

Required	STA 2023	Statistical Methods I	3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

■ Note: a minimum grade of "C" (2.0) is required for this Biology course to be used as a prerequisite.

Required	BSC 2010C	Biology I	4 hrs

Select the sequence identified by the Chemistry

Placement exam;

■ Note: Prior to enrolling in Chemistry, take Chemistry

Placement Test ~ <http://chemplacement.sdes.ucf.edu/>

- For students with a strong chemistry background and a high Chemistry

Placement score

Required	CHM 2045C	Chemistry Fundamentals I	4 hrs

or - Students with little chemistry background should take this two semester equivalent instead.

Required	CHM 2040	Chemistry Fundamentals IA	3 hrs
		and	
Required	CHM 2041	Chemistry Fundamentals IB	3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ See Transfer Notes for possible substitutes for the courses listed below.

■ Although other courses may satisfy the CPP, these specifically satisfy the major requirements or are better for preprofessional students.

Biology: (4 hrs)

■ Note: a minimum grade of "C" (2.0) is required in these Biology courses to allow their use as a prerequisite. While a lower grade may satisfy the CPP, it will not satisfy the major.

BSC 2010C	Biology I and	GEP
BSC 2011C	Biology II	4 hrs

Chemistry:

■ Take Placement test before starting chemistry;

<http://chemplacement.sdes.ucf.edu>

CHM 2045C	Chemistry Fundamentals I	GEP

- or:

CHM 2040	Chemistry Fundamentals IA and	GEP
CHM 2041	Chemistry Fundamentals IB	GEP

- and:

CHM 2046	Chemistry Fundamentals II and	4 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr

Math:

MAC 2311C	Calculus with Analytic Geometry I and	GEP
STA 2023	Statistical Methods I	GEP

Physics: (8 hrs)

PHY 2048C	Physics for Engineers & Scientists I and	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

3. Core Requirements: Basic Level (8 hrs)

■ All courses specifically identified in the proceeding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following;

Basic Core: Required, satisfies the CPP

Biology:

■ Note: a minimum grade of "C" (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.

BSC 2010C	Biology I and	GEP/CPP
BSC 2011C	Biology II	GEP/CPP

Chemistry:

CHM 2045C	Chemistry Fundamentals I	GEP/CPP

- or

CHM 2040	Chemistry Fundamentals IA and	GEP/CPP
CHM 2041	Chemistry Fundamentals IB	GEP/CPP

- and

CHM 2046	Chemistry Fundamentals II and	CPP
CHM 2046L	Chemistry Fundamentals Laboratory	CPP

Math:

MAC 2311C	Calculus with Analytic Geometry I and	CPP
STA 2023	Statistical Methods I	GEP/CPP

Physics:

PHY 2048C	Physics for Engineers & Scientists I or	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	CPP

Basic Core: Additional Requirements (8 hrs)

CHM 2210	Organic Chemistry I and	3 hrs
CHM 2211	Organic Chemistry II and	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs

4. Core Requirements: Advanced Level (13 hrs)

■ Note: a minimum grade of "C" (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.

PCB 3023	Molecular Cell Biology	3 hrs
PCB 3044	Principles of Ecology	3 hrs
PCB 3063	Genetics	3 hrs
PCB 4683	Evolutionary Biology	4 hrs

5. Restricted Electives (22 hrs)

The following is a suggested subset of the Biology Restricted Electives which may be more appropriate for many professional schools.

■ Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.

■ At least three credit hours from each group must be completed.

■ At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.



UCF Degree Programs

- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Consult a departmental advisor and be cognizant of the professional school's requirements. For complete listing, see Biology B.S. degree program.

Form/Function

Complete a minimum of one lecture course 3 hrs from this group.

- Because of the large number of courses taught in other departments, students must ensure they complete the required hours to be taken within the UCF Biology Department.

BCH 4053	Biochemistry I or	3 hrs
BCH 4054	Biochemistry II or	3 hrs
¹ PCB 3063L	Genetics Laboratory or	1 hr
PCB 3233	Immunology or	3 hrs
PCB 3703C	Human Physiology or	4 hrs
¹ PCB 4514	Genetics II or	3 hrs
¹ PCB 4678	Evolution and Medicine or	3 hrs
² PCB 4723	Animal Physiology or	4 hrs
² ZOO 3713C	Comparative Vertebrate Anatomy or	5 hrs
ZOO 3733C	Human Anatomy or	4 hrs
² ZOO 4603C	Embryology/Development or	5 hrs
ZOO 4753C	Vertebrate Histology	4 hrs

¹ Offered in Biology department.

² Fulfills Zoology requirement. Offered in Biology department.

Environmental

Complete a minimum of one lecture course 3 hrs from this group.

¹ BOT 3802	Ethnobotany or	3 hrs
¹ BOT 4850	Medicinal Botany	3 hrs

¹ Fulfills Botany requirement. Offered in Biology department.

Systematic

Complete a minimum of one lecture course 3 hrs from this group.

ANT 3550C	Primateology or	3 hrs
MCB 3020C	General Microbiology or	5 hrs
¹ ZOO 4205C	Biology and Ecology of Metazoan	4 hrs
	Invertebrates or	
¹ ZOO 4310C	Vertebrate Evolution & Ecology	4 hrs

¹ Fulfills Zoology requirement. Offered in Biology department.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- Spanish is highly recommended.

8. Electives

- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- Students will be required to take a comprehensive exam in biology during their last semester. Students must take the exam during their term of graduation, and must earn a passing score.

- Biology majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where the first semester of a two semester sequence has already been taken at a Florida College System institution.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Biomedical Sciences

Certificates

- None

Related Minors

- Biology
- Biomedical Sciences

Advising Notes

- Students are urged to contact their departmental advisor before registering for courses.
- It is the student's responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are strongly encouraged to work with the Office of Pre-Professional Advising (Ferrell Commons, Bldg 7G, Room 215C; 407-823-3033).
- An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses (sections 3 and 4) and the following courses prior to taking the MCAT exam:

MCB 3020C	General Microbiology	5 hrs
PCB 4524	Molecular Biology II	3 hrs

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the undergraduate program coordinator for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
 - BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
 - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010C and BOT X010C.
 - CHM 2045C: may use CHM X040 plus CHM X041.
 - Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
 - Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.



Plan of Study

■ This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

■ Prior to enrolling in Chemistry, take Chemistry Placement Test ~ <http://chemplacement.sdes.ucf.edu/>

■ Prior to enrolling in Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>

■ Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall	15 hrs
BSC 2010C Biology I	4 hrs
CHM 2045C Chemistry Fundamentals I	4 hrs
ENC 1101 Composition I	3 hrs
Math course, depending on placement score	4 hrs

Freshman Year - Spring	15 hrs
BSC 2011C Biology II	4 hrs
CHM 2046 Chemistry Fundamentals II	3 hrs
CHM 2046L Chemistry Fundamentals Laboratory	1 hr
May be taken in a later term if seats are not available.	
Math course	4 hrs
ENC 1102 Composition II	3 hrs

Sophomore Year - Fall	16 hrs
CHM 2210 Organic Chemistry I	3 hrs
PCB 3044 Principles of Ecology	3 hrs
MAC 2311C Calculus with Analytic Geometry I	4 hrs
STA 2023 Statistical Methods I	3 hrs
GEP	3 hrs

Sophomore Year - Spring	15 hrs
CHM 2211 Organic Chemistry II	3 hrs
CHM 2211L Organic Laboratory Techniques I	2 hrs
May be taken in a later term if seats are not available.	
PCB 3063 Genetics	3 hrs
MAC 2312 Calculus with Analytic Geometry II	4 hrs
GEP	3 hrs

Junior Year - Fall	16 hrs
PHY 2048C Physics for Engineers & Scientists I	4 hrs
PCB 3023 Molecular Cell Biology	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
GEP	3 hrs

Junior Year - Spring	14 hrs
PHY 2049C Physics for Engineers and Scientists II	4 hrs
PCB 4683 Evolutionary Biology	4 hrs
Restricted Elective	3 hrs
GEP	3 hrs

Senior Year - Fall	15 hrs
Restricted Elective	4 hrs
Restricted Elective	4 hrs
GEP	3 hrs
GEP	3 hrs
Free Elective	2 hrs

Senior Year - Spring	14 hrs
Restricted Elective	4 hrs
Restricted Elective	3 hrs
Free Elective	4 hrs
Free Elective	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$24.85 per term
- Full-Time Student: \$49.70 per term

Biomedical Sciences (B.S.)**College of Medicine****Burnett School of Biomedical Sciences****Department of Molecular and Microbiology, Health & Public Affairs II, Room: 335**

<http://www.biomed.ucf.edu>

Email: bcbsinfo@ucf.edu

Dr. Richard Peppler, Interim Director

Phone: 407-823-5932

Admission Requirements

- None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students should complete the General Education Program before transferring within the Florida College System or State University System.

■ Grades below "C-" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.

■ Students should consult with a departmental advisor.

1. UCF General Education Program (GEP) (38 hrs)

■ Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1603C	Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations (9 hrs)**C: Mathematical Foundations****Select 1: (4 hrs)**

Suggested	MAC 2311C	Calculus with Analytic Geometry I or	4 hrs
Suggested	MAC 2253	Applied Calculus	3 hrs

Select 1: (3 hrs)

Suggested	STA 2023	Statistical Methods I or	3 hrs
Suggested	CGS 1060C	Introduction to Computers	3 hrs

D: Social Foundations (6 hrs)**E: Science Foundations (8 hrs)**

Required	BSC 2010C	Biology I	4 hrs
Required	CHM 2045C	Chemistry Fundamentals I	4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

BSC 2010C	Biology I	GEP
¹ BSC 2011C	Biology II	4 hrs
¹ CHM 2045C	Chemistry Fundamentals I	GEP
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 2311C	Calculus with Analytic Geometry I	GEP

Select one of the following sequences of courses:

PHY 2053C	College Physics I and	4 hrs
PHY 2054C	College Physics II	4 hrs

or

PHY 2048C	Physics for Engineers & Scientists I and	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

¹ See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level (8 hrs)**Math, Statistics, Computer****Select 1: (4 hrs)**

MAC 2311C	Calculus with Analytic Geometry I or	GEP
MAC 2253	Applied Calculus	GEP

Select 1: (3 hrs)

STA 2023	Statistical Methods I or	GEP
CGS 1060C	Introduction to Computers	GEP



UCF Degree Programs

Chemistry

Take all of the following: **8 hrs**

CHM 2210	Organic Chemistry I and	3 hrs
CHM 2211	Organic Chemistry II and	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences

MCB 3020C	General Microbiology	5 hrs
MCB 4414	Microbial Metabolism	3 hrs
PCB 4280	Molecular Immunology	3 hrs
PCB 3233L	Immunology Laboratory	1 hr
PCB 3522	Molecular Biology I	3 hrs
PCB 4524	Molecular Biology II	3 hrs
BSC 3403C	Quantitative Biological Methods	4 hrs

Chemistry

BCH 4053	Biochemistry I	3 hrs

5. Restricted Electives

(7 courses minimum)

■ Seven courses from the list below, from which no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.

¹ BCH 4054	Biochemistry II	3 hrs
BCH 4103L	Biochemical Methods	2 hrs
MCB 3203	Pathogenic Microbiology	3 hrs
¹ MCB 4404	Bacterial Genetics and Physiology	3 hrs
MCB 4114C	Determinative & Systemic Microbiology	4 hrs
¹ MCB 4207	Infectious Processes	3 hrs
MCB 4204	Cellular Microbiology: Host-Pathogen Interactions	3 hrs
¹ MCB 4276	Epidemiology of Infectious Diseases	3 hrs
¹ MCB 4312	Molecular Biotechnology	3 hrs
¹ MCB 4503C	Virology	3 hrs
MCB 4603	Environmental Microbiology	3 hrs
MCB 4721C	Methods in Biotechnology	4 hrs
¹ MCB 5225	Molecular Biology of Disease	3 hrs
MCB 5654	Applied Microbiology	3 hrs
MCB 5932	Current Topics in Molecular Biology	3 hrs
MLS 3220C	Techniques in Clinical Microscopy	3 hrs
¹ MLS 3305	Hematology	3 hrs
¹ MLS 4334	Hemostasis	3 hrs
¹ MLS 4430C	Clinical Parasitology	3 hrs
¹ MLS 4505C	Immunodiagnosics	3 hrs
MLS 4625	Advanced Clinical Chemistry I	3 hrs
MLS 4630	Advanced Clinical Chemistry II	3 hrs
¹ PCB 3063	Genetics	3 hrs
¹ PCB 3703C	Human Physiology	4 hrs
¹ PCB 4028	Molecular and Cellular Pharmacology	3 hrs
PCB 4174	Foundation of Bio-Imaging Science	3 hrs
PCB 4521	Tissue Engineering	3 hrs
¹ PCB 4514	Genetics II	3 hrs
PCB 4529	Experimental Molecular Biology	3 hrs
¹ PCB 4805	Endocrinology	3 hrs
¹ PCB 5238	Immunobiology	3 hrs
PCB 5236	Cancer Biology	3 hrs
PCB 5275	Signal Transduction Mechanisms	3 hrs
¹ ZOO 3701C	Human Gross Anatomy & Dissection Techniques	3 hrs
¹ ZOO 3733C	Human Anatomy	4 hrs
¹ ZOO 3744	Neurobiology	3 hrs
¹ ZOO 4603C	Embryology/Development	5 hrs
¹ ZOO 4605	Human Clinical Embryology and Congenital Malformation	3 hrs
¹ ZOO 4743C	Clinical Neuroanatomy and Neuroscience	4 hrs
¹ ZOO 4753C	Vertebrate Histology	4 hrs
ZOO 5745C	Essentials of Neuroanatomy	4 hrs
MCB 3203L	Pathogenic Microbiology Lab	1 hr
MCB 4970H	Honors Undergraduate Thesis II	3 hrs
BOT 4434C	General Mycology	4 hrs
¹ MCB 3202	Principles of Infectious Disease	3 hrs
PCB 4234	Cancer Biology	3 hrs
ZOO 4747C	Clinical Neuroscience	4 hrs
PCB 4264	Stem Cell Biology	3 hrs

¹ Recommended for Preprofessional students

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ Variable. Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Students must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.

■ Independent study, directed research, or similar credit may not be used as a Restricted Elective.

■ A minimum of 20 hours must be taken at UCF in the department of the major.

■ Students will be required to pass a comprehensive test during their last semester.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ Application and admission through the Department and the Burnett Honors College.

■ Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.

■ Complete the following course with a grade of B or better (4 credits):

BSC 3403C Honors Quantitative Biological Methods 4 hrs

■ Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits):

MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs

- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

Certificates

■ None

Related Minors

- Biology
- Chemistry

Advising Notes

■ None



Transfer Notes

- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses

BSC 2011C	Biology II	4 hrs
may be substituted with:	BSC 3403C	
CHM 2045C	Chemistry Fundamentals I	4 hrs
may be substituted with:	CHM 2040	
CHM 2045C	Chemistry Fundamentals I	4 hrs
may be substituted with:	CHM 2041	
Plan of Study		
Freshman Year - Fall		13 hrs
ENC 1101	Composition I	3 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
MAC 1105C	College Algebra	3 hrs

Select 1:		3 hrs
PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs

Freshman Year - Spring		16 hrs
ENC 1102	Composition II	3 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 1114C	College Trigonometry	3 hrs
BSC 2010C	Biology I	4 hrs
¹ SLS 2311C	Overview of Select Medical Careers	2 hrs

¹ If Preprofessional.

Sophomore Year - Fall		15 hrs
CHM 2210	Organic Chemistry I	3 hrs
MCB 3020C	General Microbiology	5 hrs

Select 1:		4 hrs
MAC 2311C	Calculus with Analytic Geometry I or	4 hrs
MAC 2253	Applied Calculus	3 hrs

Select 1:		3 hrs
EUH 2000	Western Civilization I or	3 hrs
AMH 2010	U.S. History: 1492-1877 or	3 hrs
WOH 2012	World Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs

Sophomore Year - Spring		15 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
BSC 3403C	Quantitative Biological Methods	4 hrs

Select 1:		3 hrs
STA 2023	Statistical Methods I or	3 hrs
CGS 1060C	Introduction to Computers	3 hrs

Select 1:		3 hrs
EUH 2001	Western Civilization II or	3 hrs
AMH 2020	U.S. History: 1877-Present or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
WOH 2022	World Civilization II	3 hrs

Junior Year - Fall		17 hrs
PCB 3522	Molecular Biology I	3 hrs
¹ BSC 2011C	Biology II	4 hrs

Select 1:		4 hrs
PHY 2053C	College Physics I or	4 hrs
² PHY 2048C	Physics for Engineers & Scientists I	4 hrs

Select 1:		3 hrs
ECO 2013	Principles of Macroeconomics or	3 hrs
POS 2041	American National Government	3 hrs

¹ Or BSC 3403C.

² Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

Junior Year - Spring		16 hrs
PCB 4524	Molecular Biology II	3 hrs
PCB 4280	Molecular Immunology	3 hrs
PCB 3233L	Immunology Laboratory	1 hr
SPC 1603C	Fundamentals of Technical Presentations	3 hrs

Select 1:		4 hrs
PHY 2054C	College Physics II or	4 hrs
¹ PHY 2049C	Physics for Engineers and Scientists II	4 hrs
Restricted Elective		2 hrs

¹ Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

Senior Year - Fall		16 hrs
BCH 4053	Biochemistry I	3 hrs
Restricted Elective		4 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Cultural/Historical		3 hrs

Senior Year - Spring		15 hrs
MCB 4414	Microbial Metabolism	3 hrs
Restricted Elective		4 hrs
Restricted Elective		4 hrs
Restricted Elective		4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$39 per term
- Full-Time Student: \$78 per term

Biomedical Sciences - Preprofessional Concentration (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology, Health & Public Affairs II, Room: 335

<http://www.biomed.ucf.edu>

Email: bcbsinfo@ucf.edu

Dr. Richard Peppler, Interim Director
Phone: 407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Grades below "C-" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.

- Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA1 124.

1. UCF General Education Program (GEP) (36 hrs)

- Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations		(9 hrs)
Required	ENC 1101 Composition I	3 hrs
Required	ENC 1102 Composition II	3 hrs
Prefer	SPC 1603C Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations		(9 hrs)



UCF Degree Programs

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs

Required	CGS 1060C	Introduction to Computers or	3 hrs
Required	STA 2023	Statistical Methods I	3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations

Required	BSC 2010C	Biology I	4 hrs
Required	CHM 2045C	Chemistry Fundamentals I	4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

BSC 2010C	Biology I	GEP
¹ BSC 2011C	Biology II	4 hrs
¹ CHM 2045C	Chemistry Fundamentals I	GEP
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 2311C	Calculus with Analytic Geometry I	GEP

Select one of the following sequences of courses:

PHY 2053C	College Physics I and	4 hrs
PHY 2054C	College Physics II	4 hrs

or

PHY 2048C	Physics for Engineers & Scientists I and	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

¹ See Transfer Notes for possible substitutions

3. Core Requirements: Basic Level (10 hrs)

Life Sciences: Basic

SLS 2311C	Overview of Select Medical Careers	2 hrs

Math, Statistics, Computers

Select 1: 4 hrs

MAC 2311C	Calculus with Analytic Geometry I or	GEP
MAC 2253	Applied Calculus	GEP

Select 1: 3 hrs

STA 2023	Statistical Methods I or	GEP
CGS 1060C	Introduction to Computers	GEP

Chemistry

Take all of the following: 8 hrs

CHM 2210	Organic Chemistry I and	3 hrs
CHM 2211	Organic Chemistry II and	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences: Advanced

MCB 3020C	General Microbiology	5 hrs
MCB 4414	Microbial Metabolism	3 hrs
PCB 4280	Molecular Immunology	3 hrs
PCB 3233L	Immunology Laboratory	1 hr
PCB 3522	Molecular Biology I	3 hrs
PCB 4524	Molecular Biology II	3 hrs
BSC 3403C	Quantitative Biological Methods	4 hrs

Chemistry

BCH 4053	Biochemistry I	3 hrs

5. Restricted Electives

7 courses minimum

■ Seven courses from below, from which no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.

■ Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:

BCH 4054	Biochemistry II	3 hrs
MCB 3203	Pathogenic Microbiology	3 hrs
MCB 4404	Bacterial Genetics and Physiology	3 hrs
MCB 4207	Infectious Processes	3 hrs
MCB 4276	Epidemiology of Infectious Diseases	3 hrs
MCB 4312	Molecular Biotechnology	3 hrs

MCB 4503C	Virology	3 hrs
MCB 5225	Molecular Biology of Disease	3 hrs
MLS 3305	Hematology	3 hrs
MLS 4334	Hemostasis	3 hrs
MLS 4430C	Clinical Parasitology	3 hrs
MLS 4505C	Immunodiagnostics	3 hrs
PCB 3063	Genetics	3 hrs
PCB 3703C	Human Physiology	4 hrs
PCB 4028	Molecular and Cellular Pharmacology	3 hrs
PCB 4514	Genetics II	3 hrs
PCB 4805	Endocrinology	3 hrs
PCB 5238	Immunobiology	3 hrs
ZOO 3701C	Human Gross Anatomy & Dissection	3 hrs
	Techniques	
ZOO 3733C	Human Anatomy	4 hrs
ZOO 3744	Neurobiology	3 hrs
ZOO 4603C	Embryology/Development	5 hrs
ZOO 4605	Human Clinical Embryology and Congenital	3 hrs
	Malformation	
ZOO 4743C	Clinical Neuroanatomy and Neuroscience	4 hrs
ZOO 4753C	Vertebrate Histology	4 hrs
MCB 4970H	Honors Undergraduate Thesis II	3 hrs
PCB 4234	Cancer Biology	3 hrs
ZOO 4747C	Clinical Neuroscience	4 hrs
MCB 3203L	Pathogenic Microbiology Lab	1 hr
MCB 3202	Principles of Infectious Disease	3 hrs

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ Variable

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.

■ Independent study, directed research, or similar credit may not be used as a Restricted Elective.

■ Minimum of 20 hours must be taken at UCF in the department of the major.

■ Students will be required to pass a comprehensive test during their last semester.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ Application and admission through the Department and the Burnett Honors College.

■ Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.

■ Complete the following with a grade of B or better (4 credits)

BSC 3403C	Honors Quantitative Biological Methods	4 hrs



- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).
MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs

- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

Certificates

- None

Related Minors

- Biology
- Chemistry

Advising Notes

- None

Transfer Notes

- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses

- BSC 2011C Biology II 4 hrs
may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I 4 hrs
may be substituted with: CHM 2040
- CHM 2045C Chemistry Fundamentals I 4 hrs
may be substituted with: CHM 2041

Plan of Study

- Freshman Year - Fall** 13 hrs
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 1105C College Algebra 3 hrs

- Select 1:** 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

- Freshman Year - Spring** 16 hrs
- ENC 1102 Composition II 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I 4 hrs
- MAC 1114C College Trigonometry 3 hrs

- Sophomore Year - Fall**
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs

- Select 1:** 4 hrs
- MAC 2311C Calculus with Analytic Geometry I or 4 hrs
- MAC 2253 Applied Calculus 3 hrs

- Select 1:** 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

- Sophomore Year - Spring** 15 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

- Select 1:** 3 hrs
- STA 2023 Statistical Methods I or 3 hrs
- CGS 1060C Introduction to Computers 3 hrs

- Select 1:** 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

- Junior Year - Fall** 17 hrs
- PCB 3522 Molecular Biology I 3 hrs
- ¹ BSC 2011C Biology II 4 hrs

- Select 1:** 4 hrs
- PHY 2053C College Physics I or 4 hrs
- ² PHY 2048C Physics for Engineers & Scientists I 4 hrs

- Select 1:** 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

¹ Or BSC 3403C.

² Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

- Junior Year - Spring** 16 hrs
- PCB 4524 Molecular Biology II 3 hrs
- PCB 4280 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- Restricted Elective 2 hrs

- Select 1:** 4 hrs
- ¹ PHY 2049C Physics for Engineers and Scientists II 4 hrs

¹ Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

- Senior Year - Fall** 16 hrs
- BCH 4053 Biochemistry I 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

- Senior Year - Spring** 16 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$39 per term
- Full-Time Student: \$78 per term

Biotechnology (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology,

Health & Public Affairs II, Room: 335

<http://www.biomed.ucf.edu>

Email: bcbsinfo@ucf.edu

Dr. Richard Peppler, Interim Director

Phone: 407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a Departmental advisor
- Courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours

UCF Degree Programs

■ Grades below "C-"(1.75) in life science courses will not be accepted

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1603C	Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations

Required	STA 2023	Statistical Methods I	3 hrs

Select 1: (4 hrs)

Required	MAC 2311C	Calculus with Analytic Geometry I or	4 hrs
Required	MAC 2253	Applied Calculus	3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations

Required	CHM 2045C	Chemistry Fundamentals I	4 hrs
Required	BSC 2010C	Biology I	4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

BSC 2010C	Biology I	GEP
¹ BSC 2011C	Biology II	4 hrs
¹ CHM 2045C	Chemistry Fundamentals I	GEP
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
STA 2023	Statistical Methods I	GEP
MAC 2311C	Calculus with Analytic Geometry I	GEP
PHY 2053C	College Physics I	4 hrs
PHY 2054C	College Physics II	4 hrs

¹ See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (52 hrs)

Life Sciences

MCB 3020C	General Microbiology	5 hrs
MCB 4414	Microbial Metabolism	3 hrs
PCB 4280	Molecular Immunology	3 hrs
PCB 3233L	Immunology Laboratory	1 hr
PCB 3522	Molecular Biology I	3 hrs
PCB 4524	Molecular Biology II	3 hrs
BSC 3403C	Quantitative Biological Methods	4 hrs
MCB 4721C	Methods in Biotechnology	4 hrs
MCB 4720	Industrial Perspectives Seminar	3 hrs
MCB 4312	Molecular Biotechnology	3 hrs
PCB 4529	Experimental Molecular Biology	3 hrs
PCB 4174	Foundation of Bio-Imaging Science	3 hrs

Chemistry

BCH 4053	Biochemistry I	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2211L	Organic Laboratory Techniques I	2 hrs

Physics

Select one of the following sequences of courses:

PHY 2053C	College Physics I and	4 hrs
PHY 2054C	College Physics II	4 hrs

or

PHY 2048C	Physics for Engineers & Scientists I and	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

Math

Select 1: (3 hrs)

MAC 2311C	Calculus with Analytic Geometry I or	GEP
MAC 2253	Applied Calculus	GEP

5. Restricted Electives (6 hrs)

■ Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.

■ Those students who do not qualify for the MCB 4970H may elect MCB 4912, Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.

BCH 4054	Biochemistry II	3 hrs
BCH 4103L	Biochemical Methods	2 hrs
MCB 3203	Pathogenic Microbiology	3 hrs
MCB 4404	Bacterial Genetics and Physiology	3 hrs
MCB 4207	Infectious Processes	3 hrs
MCB 4204	Cellular Microbiology: Host-Pathogen Interactions	3 hrs
MCB 4503C	Virology	3 hrs
MCB 4603	Environmental Microbiology	3 hrs
MCB 5225	Molecular Biology of Disease	3 hrs
MCB 5505	Molecular Virology	3 hrs
MCB 5654	Applied Microbiology	3 hrs
MCB 5932	Current Topics in Molecular Biology	3 hrs
PCB 3063	Genetics	3 hrs
PCB 3703C	Human Physiology	4 hrs
PCB 4521	Tissue Engineering	3 hrs
PCB 4805	Endocrinology	3 hrs
PCB 5238	Immunobiology	3 hrs
PCB 5275	Signal Transduction Mechanics	3 hrs
PCB 5236	Cancer Biology	3 hrs
MCB 4912	Directed Independent Research	3 hrs
MCB 4970H	Honors Undergraduate Thesis II	3 hrs
MCB 3203L	Pathogenic Microbiology Lab	1 hr

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ Variable

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ A student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives

■ A minimum of 20 hours must be taken at UCF in the department of the major

■ Students will be required to pass a comprehensive test during their last semester

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120



Honors In Major

- Application and admission through the department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution
- Complete the following with a grade of B or better:
BSC 3403C Honors Quantitative Biological Methods 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis
MCB 4970H Honors Undergraduate Thesis II 3 hrs

Related Programs

- Biology
- Chemistry
- Medical Laboratory Sciences
- Biomedical Sciences

Certificates

- None

Related Minors

- Biology
- Chemistry
- Biomedical Sciences

Advising Notes

- None

Transfer Notes

- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.

Acceptable Substitutes for Transfer Courses

- Substitutes for Common Program Prerequisites
- MAC X311 or MAC X233 or MAC X353 or MAC X281
- PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
- STA X023 or STA X122 or STA X014 or STA X024 or STA X321

Acceptable Substitutes

- CHM 2045C may be substituted with CHM 2040 and CHM 2041 4 hrs
- BSC 2011C Biology II 4 hrs
- may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2040
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2041
- Plan of Study

- Freshman Year - Fall 13 hrs
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

- Select 1:** 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring 14 hrs

- ENC 1102 Composition II 3 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I 4 hrs

Sophomore Year - Fall 15 hrs

- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs

- Select 1:** 4 hrs
- MAC 2311C Calculus with Analytic Geometry I or 4 hrs
- MAC 2253 Applied Calculus 3 hrs

Select 1: 3 hrs

- EUH 2000 Western Civilization I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

Sophomore Year - Spring 15 hrs

- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

- Select 1:** 3 hrs
- STA 2023 Statistical Methods I or 3 hrs
- CGS 1060C Introduction to Computers 3 hrs

Select 1: 3 hrs

- EUH 2001 Western Civilization II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Junior Year - Fall 13 hrs

- PCB 3522 Molecular Biology I 3 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs

Select 1: 3 hrs

- ECO 2013 Principles of Macroeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

Select 1: 4 hrs

- PHY 2053C College Physics I or 4 hrs
- ¹ PHY 2048C Physics for Engineers & Scientists I 4 hrs

¹ *Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Junior Year - Spring 15 hrs

- PCB 4524 Molecular Biology II 3 hrs
- PCB 4280 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- BSC 2011C Biology II 4 hrs

Select 1: 4 hrs

- PHY 2054C College Physics II or 4 hrs
- ¹ PHY 2049C Physics for Engineers and Scientists II 4 hrs

¹ *Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall 14 hrs

- BCH 4053 Biochemistry I 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 13 hrs

- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- Restricted Elective 3 hrs

- For students who transfer in their junior year from a Florida College System institution, the revised sequence of courses is provided [it is assumed that GEP and physics will be completed at an FCS institution:

Junior Year - Fall

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

- MCB 3020C General Microbiology 5 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring

- PCB 3522 Molecular Biology I 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- BCH 4053 Biochemistry I 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall

- MCB 4414 Microbial Metabolism 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- Elective 3000 level 3 hrs



UCF Degree Programs

Senior Year - Spring

PCB 4524	Molecular Biology II	3 hrs
PCB 4280	Molecular Immunology	3 hrs
PCB 3233L	Immunology Laboratory	1 hr
PCB 4529	Experimental Molecular Biology	3 hrs
PCB 4174	Foundation of Bio-Imaging Science	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$39 per term
- Full-Time Student: \$78 per term

Business Administration (B.A.B.A.)

College of Business Administration

Department of Management,

Business Administration II, Room: 101

Only offered at Regional Campuses.

<http://www.bus.ucf.edu>

Email: cba@bus.ucf.edu

Selena Forrest (Clermont Advising), 352-536-2174

Angelia Jones (Cocoa Advising), 321-433-7889

Christine Davis (Daytona Advising), 386-506-4021

Melba Sanchez (College of Business), 407-823-2184

Phone: 407-823-2184

The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF's undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor.

Not eligible for a double degree or double major with another CBA major.

Admission Requirements

■ 2.0 GPA and completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of "C" (2.0) or better in each course applied toward the major.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required	STA 2023	Statistical Methods I	3 hrs
Prefer	MAC 1105C	College Algebra	3 hrs

D: Social Foundations (6 hrs)

Select 1: (3 hrs)

Suggested	ECO 2013	Principles of Macroeconomics	3 hrs
		or	
Suggested	ECO 2023	Principles of Microeconomics	3 hrs

Select 1: (3 hrs)

Suggested	ANT 2000	General Anthropology or	3 hrs
Suggested	PSY 2012	General Psychology or	3 hrs
Suggested	SYG 2000	Introduction to Sociology	3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

- Must be completed with a "C" (2.0) or better.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Select one of the following sequences of courses:

- Must earn a "C" (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

ECO 3401	Quantitative Business Tools I	3 hrs

or			
MAC 2233	Concepts of Calculus and	3 hrs	
STA 2023	Statistical Methods I	3 hrs	

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (32 hrs)

First of subsequent semester in the College of

Business Administration:

BUL 3130	Legal and Ethical Environment of Business	4 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
FIN 3403C	Business Finance	4 hrs
¹ GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
² GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
GEB 3375	Introduction to International Business	4 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs
MAR 3203	Supply Chain and Operations Management	4 hrs

¹ Required in the 1st or 2nd semester

² Must be taken with GEB 3031

5. Restricted Electives

- None

6. Capstone Requirements (4 hrs)

MAN 4720	Strategic Management	4 hrs

■ This course is taken in the graduating term and requires the following prerequisites:

FIN 3403C	Business Finance	4 hrs
¹ GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
² GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs

¹ Required in 1st or 2nd semester

² Must be taken with GEB 3031

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.



8. Electives

- None

9. Additional Requirements

■ Students in the Bachelor of Arts Business Administration (BABA) major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher, Business courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Business courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Business courses in a subsequent term, that student will be dropped as an BABA major. A student who is dropped may seek remittance as an BABA major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Business GPA of 2.0 or higher. Readmission is not automatic

10. Required Minors

- Existing non-business minor offered at Regional Campuses

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Florida College System institution students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 18 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Acceptable Substitutes for Transfer Courses

- ACG 2021 Principles of Financial Accounting may be substituted with ACG X001 and X011.

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$15 per term
- Full-Time Student: \$30 per term

Chemistry (B.S.)

College of Sciences

Department of Chemistry,

Physical Sciences Building, Room: 255

<http://chemistry.cos.ucf.edu/>

Email: pedro.patino@ucf.edu

Dr. Pedro Patino

Phone: 407-823-2246

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours,
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

UCF Degree Programs

1. UCF General Education Program (GEP) (39 hrs)

■ Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1603C	Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs
Prefer	STA 2023	Statistical Methods I	3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Required	BSC 2010C	Biology I	4 hrs

2. Common Program Prerequisites (CPP) (24 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ Prior to enrolling in Chemistry, you must take the Chemistry Placement Test ~

<http://chemplacement.sdes.ucf.edu>

Select either:

CHM 2045C	Chemistry Fundamentals I	4 hrs

- or 6 hrs

CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

- and complete all the following

CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
MAC 2311C	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

3. Core Requirements: Basic Level (4 hrs)

■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP

Select either:

CHM 2045C	Chemistry Fundamentals I	CPP

- or

CHM 2040	Chemistry Fundamentals IA and	CPP
CHM 2041	Chemistry Fundamentals IB	CPP

- and

CHM 2046	Chemistry Fundamentals II and	CPP
CHM 2046L	Chemistry Fundamentals Laboratory and	CPP
CHM 2210	Organic Chemistry I and	CPP
CHM 2211	Organic Chemistry II and	CPP
CHM 2211L	Organic Laboratory Techniques I and	CPP
MAC 2311C	Calculus with Analytic Geometry I and	GEP/CPP
MAC 2312	Calculus with Analytic Geometry II and	CPP
PHY 2048C	Physics for Engineers & Scientists I and	GEP/CPP
PHY 2049C	Physics for Engineers and Scientists II	CPP

Core: Additional requirements

BSC 2010C	Biology I	GEP
MAC 2313	Calculus with Analytic Geometry III	4 hrs

- and either:

STA 1063C	Basic Statistics Using Microsoft Excel or	GEP
STA 2023	Statistical Methods I	GEP

4. Core Requirements: Advanced Level (34 hrs)

BCH 4053	Biochemistry I	3 hrs
CHM 3120	Analytical Chemistry	3 hrs
CHM 3120L	Analytical Chemistry Laboratory	1 hr

CHM 3215L	Organic Laboratory Techniques II	2 hrs
CHM 3410	Physical Chemistry I	4 hrs
CHM 3411	Physical Chemistry II	3 hrs
CHM 3411L	Physical Chemistry Laboratory	2 hrs
CHM 4610	Inorganic Chemistry	3 hrs
CHM 4610L	Inorganic Chemistry Laboratory	2 hrs
CHM 4130	Advanced Analytical Laboratory Technique	3 hrs
CHM 4130L	Advanced Analytical Chemistry Laboratory	2 hrs
CHM 4912	Directed Independent Research	4 hrs
CHM 4930	Chemistry Seminar I	1 hr
CHM 4931	Chemistry Seminar II	1 hr

5. Restricted Electives (6 hrs)

Select from the following courses: 6 hrs

BCH 4054	Biochemistry II	3 hrs
CHM 4220	Organic Chemistry III	3 hrs
CHM 5225	Advanced Organic Chemistry	3 hrs
CHM 5235	Applied Molecular Spectroscopy	3 hrs
CHM 5450	Polymer Chemistry	3 hrs
CHM 5451C	Techniques in Polymer Science	3 hrs
CHM 5580	Advanced Physical Chemistry	3 hrs
CHS 4615	Environmental Chemistry	3 hrs

Directed Electives 3 hrs

■ Course will be selected with the aid of a departmental advisor and approved in advance by the department chair. Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.

■ Achieve at least a "C" (2.0) grade in each UCF Chemistry course used to satisfy the major.

■ The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

■ Grades earned in the following will not be applied in the determination of the Chemistry GPA:

CHM 4912	Directed Independent Research	4 hrs
CHM 4930	Chemistry Seminar I	1 hr
CHM 4931	Chemistry Seminar II	1 hr

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.

■ Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.



- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences
- Science Education - Chemistry
- Chemistry - Biochemistry Track

Certificates

- None

Related Minors

- Chemistry
- Biomedical Sciences
- Biology
- Physics

Advising Notes

- Students must satisfy each course's prerequisites before enrolling in the class.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- CHM 2045C: may use CHM X040C plus CHM X041C.
- Physics & Lab: Although the CPP allows substitution by other physics courses, they will not satisfy the major; thus the specified physics courses will still have to be taken.
- Physics: Although the CPP allows substitution by Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, you must take the Chemistry Placement Test ~ <http://chemplacement.sdes.ucf.edu/>
- Before registering for Math, you must take Math Placement Test ~ <http://utc.sdes.ucf.edu>
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall

15 hrs

CHM 2045C	Chemistry Fundamentals I	4 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
BSC 2010C	Biology I	4 hrs
ENC 1101	Composition I	3 hrs

Freshman Year - Spring

14 hrs

CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
Lab may be taken in a later term if seats are not available.		
MAC 2312	Calculus with Analytic Geometry II	4 hrs
ENC 1102	Composition II	3 hrs
GEP		3 hrs

Sophomore Year - Fall

14 hrs

CHM 2210	Organic Chemistry I	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
Statistics		3 hrs

Sophomore Year - Spring

14 hrs

CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
Lab may be taken in a later term if seats are not available.		
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
GEP		3 hrs
Free Elective		2 hrs

Junior Year - Fall

16 hrs

BCH 4053	Biochemistry I	3 hrs
CHM 3120	Analytical Chemistry	3 hrs
CHM 3120L	Analytical Chemistry Laboratory	1 hr
CHM 3215L	Organic Laboratory Techniques II	2 hrs
CHM 3410	Physical Chemistry I	4 hrs
GEP		3 hrs

Junior Year - Spring

16 hrs

CHM 3411	Physical Chemistry II	3 hrs
CHM 3411L	Physical Chemistry Laboratory	2 hrs
CHM 4130	Advanced Analytical Laboratory Technique	3 hrs
CHM 4610	Inorganic Chemistry	3 hrs
CHM 4130L	Advanced Analytical Chemistry Laboratory	2 hrs
Restricted Elective		3 hrs

Senior Year - Fall

16 hrs

CHM 4610L	Inorganic Chemistry Laboratory	2 hrs
CHM 4930	Chemistry Seminar I	1 hr
CHM 4912	Directed Independent Research	2 hrs
Restricted Elective		3 hrs
GEP		3 hrs
Free Elective		2 hrs
Free Elective		3 hrs

Senior Year - Spring

15 hrs

CHM 4912	Directed Independent Research	2 hrs
CHM 4931	Chemistry Seminar II	1 hr
GEP		3 hrs
GEP		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Chemistry - Biochemistry Track (B.S.)

College of Sciences

Department of Chemistry,

Physical Sciences Building, Room: 255

<http://www.cos.ucf.edu/chemistry>

Email: pedro.patino@ucf.edu

Dr. Pedro Patino

Phone: 407-823-2246

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor before registering.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level course taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.



UCF Degree Programs

■ Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.

■ AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

1. UCF General Education Program (GEP) (39 hrs)

■ Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs
Prefer	STA 2023	Statistical Methods I	3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Required	BSC 2010C	Biology I	4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)

Select either:

CHM 2045C	Chemistry Fundamentals I	4 hrs

- or (6 hrs)

CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

- and complete all the following (24 hrs)

CHM 2046	Chemistry Fundamentals II and	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory and	1 hr
CHM 2210	Organic Chemistry I and	3 hrs
CHM 2211	Organic Chemistry II and	3 hrs
CHM 2211L	Organic Laboratory Techniques I and	2 hrs
MAC 2311C	Calculus with Analytic Geometry I and	4 hrs
MAC 2312	Calculus with Analytic Geometry II and	4 hrs
PHY 2048C	Physics for Engineers & Scientists I and	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

3. Core Requirements: Basic Level (10 hrs)

■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP

Select either:

CHM 2045C	Chemistry Fundamentals I	CPP

- or (CPP)

CHM 2040	Chemistry Fundamentals IA and	CPP
CHM 2041	Chemistry Fundamentals IB	CPP

- and		
CHM 2046	Chemistry Fundamentals II and	CPP
CHM 2046L	Chemistry Fundamentals Laboratory and	CPP
CHM 2210	Organic Chemistry I and	CPP
CHM 2211	Organic Chemistry II and	CPP
CHM 2211L	Organic Laboratory Techniques I and	CPP
MAC 2311C	Calculus with Analytic Geometry I and	GEP/CPP

MAC 2312	Calculus with Analytic Geometry II and	CPP
PHY 2048C	Physics for Engineers & Scientists I and	GEP/CPP
PHY 2049C	Physics for Engineers and Scientists II	CPP

Basic Core: Additional Requirements 10 hrs

BSC 2010C	Biology I and	GEP
CHM 3120	Analytical Chemistry and	3 hrs
CHM 3120L	Analytical Chemistry Laboratory and	1 hr
CHM 3215L	Organic Laboratory Techniques II and	2 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs

- and either

STA 2023	Statistical Methods I or	GEP
STA 1063C	Basic Statistics Using Microsoft Excel	GEP

4. Core Requirements: Advanced Level (37 hrs)

BCH 4053	Biochemistry I	3 hrs
BCH 4054	Biochemistry II	3 hrs
BCH 4103L	Biochemical Methods	2 hrs
CHM 3410	Physical Chemistry I	4 hrs
CHM 3411	Physical Chemistry II	3 hrs
CHM 3411L	Physical Chemistry Laboratory	2 hrs
CHM 4610	Inorganic Chemistry	3 hrs
CHM 4912	Directed Independent Research	4 hrs
CHM 4930	Chemistry Seminar I	1 hr
CHM 4931	Chemistry Seminar II	1 hr
MCB 3020C	General Microbiology	5 hrs
PCB 3023	Molecular Cell Biology	3 hrs
PCB 3063	Genetics	3 hrs

5. Restricted Electives (10 hrs)

Select from the following;

CHM 4130	Advanced Analytical Laboratory Technique	3 hrs
CHM 4906	Directed Independent Study	1 hr
CHM 5225	Advanced Organic Chemistry	3 hrs
PCB 3522	Molecular Biology I	3 hrs

Additional upper level courses as approved by a departmental advisor

One of the following may be used as a

Restricted Elective:

CHM 4220	Organic Chemistry III or	3 hrs
CHM 5225	Advanced Organic Chemistry	3 hrs

Additional physical, biological, and mathematical sciences courses.

■ In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.

■ These courses should be at least at the 3000 level.

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.

■ Achieve at least a "C" (2.0) grade in each UCF Chemistry course used to satisfy the major.

■ The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

■ Grades earned in the following courses will not be applied in the determination of the Chemistry GPA:

CHM 4912	Directed Independent Research	4 hrs
CHM 4930	Chemistry Seminar I	1 hr
CHM 4931	Chemistry Seminar II	1 hr

10. Required Minors

■ None



11. Departmental Exit Requirements

■ Students are required to take a nationally normed test in chemistry and biochemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.

■ Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences

Certificates

- None

Related Minors

- Chemistry
- Biology
- Biomedical Sciences

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
- CHM 2045C: May use CHM X040C plus CHM X041C.
- Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ <http://chemplacement.sdes.ucf.edu/>
- Prior to enrolling in Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 15 hrs

CHM 2045C	Chemistry Fundamentals I	4 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
BSC 2010C	Biology I	4 hrs
ENC 1101	Composition I	3 hrs

Freshman Year - Spring 17 hrs

CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
Lab may be taken in a later term if seats are not available.		
MAC 2312	Calculus with Analytic Geometry II	4 hrs
ENC 1102	Composition II	3 hrs
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Fall 14 hrs

CHM 2210	Organic Chemistry I	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
Statistics		3 hrs

Sophomore Year - Spring 16 hrs

CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
Lab may be taken in a later term if seats are not available.		
CHM 3120	Analytical Chemistry	3 hrs
CHM 3120L	Analytical Chemistry Laboratory	1 hr
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
PCB 3063	Genetics	3 hrs

Junior Year - Fall 14 hrs

BCH 4053	Biochemistry I	3 hrs
CHM 3215L	Organic Laboratory Techniques II	2 hrs
PCB 3023	Molecular Cell Biology	3 hrs
GEP		3 hrs
GEP		3 hrs

Junior Year - Spring 13 hrs

BCH 4054	Biochemistry II	3 hrs
BCH 4103L	Biochemical Methods	2 hrs
MCB 3020C	General Microbiology	5 hrs
GEP		3 hrs

Senior Year - Fall 16 hrs

CHM 3410	Physical Chemistry I	4 hrs
CHM 4912	Directed Independent Research	1 hr
CHM 4930	Chemistry Seminar I	1 hr
Restricted Elective		3 hrs
Restricted Elective		4 hrs
Restricted Elective		3 hrs

Senior Year - Spring 15 hrs

CHM 4931	Chemistry Seminar II	1 hr
CHM 3411	Physical Chemistry II	3 hrs
CHM 3411L	Physical Chemistry Laboratory	2 hrs
CHM 4610	Inorganic Chemistry	3 hrs
CHM 4912	Directed Independent Research	2 hrs
GEP		4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Civil Engineering (B.S.C.E.)

College of Engineering and Computer Science

Department of Civil, Environmental, and Construction

Engineering, Engineering II, Room: 211

<http://www.cece.ucf.edu>

Carol Ann Pohl, carolann.pohl@ucf.edu

Dr. F. Necati Catbas, necati.catbas@ucf.edu

Phone: 407-823-2841

Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C or CHM 2040 AND CHM 2041.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.



UCF Degree Programs

Degree Requirements (128 hrs)

■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

■ A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)

■ The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College Systems or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Suggested	SPC 1603C	Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Select two courses from Historical Foundations	6 hrs
Select one course from Cultural Foundations	3 hrs

C: Mathematical Foundations (7 hrs)

Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs
Required	STA 3032	Probability and Statistics for Engineers	3 hrs

D: Social Foundations (6 hrs)

Select one class from Social Foundation Group 1	3 hrs
Select one class from Social Foundation Group 2	3 hrs

E: Science Foundations (7 hrs)

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Prefer	GEO 1200	Physical Geography	3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ A grade of "C" (2.0) or better is required in each course in this section.

MAC 2311C	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Ordinary Differential Equations I	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

Select one of the following sequences of courses:

- Preferred course
CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

or - First alternative: Select all of the following:
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

or - Second alternative
CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

4. Core Requirements: Advanced Level (63 hrs)

¹ EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs
¹ EGN 3331	Mechanics of Materials	3 hrs
EGN 3343	Thermodynamics	3 hrs
¹ EGN 3613	Engineering Economic Analysis	2 hrs
¹ ENV 3001	Introduction to Environmental Engineering	3 hrs
CCE 4003	Introduction to the Construction Industry	3 hrs
¹ STA 3032	Probability and Statistics for Engineers	GEP
CGN 3700C	Civil Engineering Measurements	4 hrs
CGN 3501C	Civil Engineering Materials	3 hrs
CEG 4011C	Geotechnical Engineering I	4 hrs
¹ CES 4100C	Structural Analysis I and Lab	4 hrs
¹ CWR 3201	Engineering Fluid Mechanics	3 hrs
CWR 4632C	Water Resources Engineering I	4 hrs
TTE 3810	Highway Engineering	3 hrs
ENV 4531	Environmental Engineering Operations & Processes I	3 hrs
CES 4605	Steel Structures	3 hrs
CES 4702	Reinforced Concrete Structures	3 hrs

Select 3: 9 hrs

■ Take 3 from the following:		
CEG 4012	Geotechnical Engineering II or	3 hrs
CWR 4633C	Water Resources Engineering II or	3 hrs
ENV 4561	Environmental Engineering Operations & Processes II or	3 hrs
TTE 4274	Transportation Engineering Systems	3 hrs

¹ A "C" (2.0) or better is required in this course.

5. Restricted Electives

■ Some students may need to take technical electives to satisfy hour shortages because of transfer status. Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

■ Senior Design Courses		
CGN 4808C	CECE Capstone Design	3 hrs

Design Specialization 3 hrs

¹ CEG 4801C	Geotechnical Engineering Design or	3 hrs
¹ CES 4743C	Structural Design or	3 hrs
¹ CWR 4812C	Water Resources Design or	3 hrs
¹ ENV 4562C	Environmental Engineering Water Treatment Design or	3 hrs
¹ TTE 4601C	Urban Systems Design	3 hrs

¹ A "C" (2.0) or better is required in this course.

7. Foreign Language Requirements

Admissions

■ Two years of foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ Civil engineering students must take the Fundamentals of Engineering (FE)Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors

■ None

11. Departmental Exit Requirements

■ None



12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Construction Engineering
- Environmental Engineering

Certificates

- None

Related Minors

- Mathematics
- Engineering Leadership

Advising Notes

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes

- Courses taken from Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information (course syllabus) with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (128 hrs)

- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 14 hrs

ENC 1101	Composition I	3 hrs
GEP		6 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
EGN 1006C	Introduction to the Engineering Profession	1 hr

Freshman Year - Spring 14 hrs

ENC 1102	Composition II	3 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
EGN 1007C	Engineering Concepts and Methods	1 hr
EGN 3613	Engineering Economic Analysis	2 hrs

Sophomore Year - Fall 14 hrs

MAC 2313	Calculus with Analytic Geometry III	4 hrs
CHS 1440	Fundamentals of Chemistry for Engineers	4 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
GEP		3 hrs

Sophomore Year - Spring 16 hrs

MAP 2302	Ordinary Differential Equations I	3 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs
EGN 3331	Mechanics of Materials	3 hrs
GEP		3 hrs

Sophomore Year - Summer 9 hrs

ENV 3001	Introduction to Environmental Engineering	3 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs
GEP		3 hrs

Junior Year - Fall 17 hrs

CWR 3201	Engineering Fluid Mechanics	3 hrs
CCE 4003	Introduction to the Construction Industry	3 hrs
CGN 3501C	Civil Engineering Materials	3 hrs
CES 4100C	Structural Analysis I and Lab	4 hrs
CGN 3700C	Civil Engineering Measurements	4 hrs

Junior Year - Spring 17 hrs

GEP		3 hrs
CES 4702	Reinforced Concrete Structures	3 hrs
CEG 4011C	Geotechnical Engineering I	4 hrs
CWR 4632C	Water Resources Engineering I	4 hrs
TTE 3810	Highway Engineering	3 hrs

Senior Year - Fall 15 hrs

CES 4605	Steel Structures	3 hrs
ENV 4531	Environmental Engineering Operations & Processes I	3 hrs

Discipline Depth 6 hrs

CEG 4012	Geotechnical Engineering II or	3 hrs
CWR 4633C	Water Resources Engineering II or	3 hrs
ENV 4561	Environmental Engineering Operations & Processes II or	3 hrs
TTE 4274	Transportation Engineering Systems	3 hrs

Design Elective 3 hrs

CEG 4801C	Geotechnical Engineering Design or	3 hrs
CES 4743C	Structural Design or	3 hrs
CWR 4812C	Water Resources Design or	3 hrs
ENV 4562C	Environmental Engineering Water Treatment Design or	3 hrs
TTE 4601C	Urban Systems Design	3 hrs

Senior Year - Spring 12 hrs

GEP		3 hrs
EGN 3343	Thermodynamics	3 hrs
CGN 4808C	CECE Capstone Design	3 hrs

Discipline Depth 3 hrs

CEG 4012	Geotechnical Engineering II or	3 hrs
CWR 4633C	Water Resources Engineering II or	3 hrs
TTE 4274	Transportation Engineering Systems or	3 hrs
ENV 4561	Environmental Engineering Operations & Processes II	3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alac/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$33 per term
- Full-Time Student: \$66 per term

UCF Degree Programs

Communication Sciences and Disorders

(B.A. / B.S.)

College of Health and Public Affairs

Department of Communication Sciences and Disorders,

Health & Public Affairs II, Room: 101

<http://www.cohpa.ucf.edu/comdis/>

Email: csdundergraduate@ucf.edu

Dr. Cecyle Carson, Undergraduate Program Coordinator

Phone: 407-823-4798

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.

- Students should complete the General Education

Program before transferring within the Florida College System or State University System.

- Students should consult with a departmental advisor.

- The courses designated in section 1 below may be taken at a Florida College System institution, and usually should be completed in the first 60 hours.

- Students must earn at least a "C-" (1.75) in each prerequisite course, core course, restricted elective, and B.A./B.S. elective.

- Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Select 1: (3 hrs)

Suggested	STA 2014C	Principles of Statistics or	3 hrs
Suggested	STA 2023	Statistical Methods I	3 hrs

Select 1: (3 hrs)

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

D: Social Foundations (6 hrs)

Suggested	PSY 2012	General Psychology	3 hrs

Select 1: (3 hrs)

Suggested	ECO 2013	Principles of Macroeconomics or	3 hrs

Suggested	ECO 2023	Principles of Microeconomics or	3 hrs

Suggested	POS 2041	American National Government	3 hrs

E: Science Foundations (6 hrs)

Required	PHY, PSC, or CHM	course listed in GEP E.1	3 hrs
Any BSC	course listed in GEP E.2 or ANT 2511		3 hrs

2. Common Program Prerequisites (CPP)

STA 2014C	Principles of Statistics	GEP
BSC 1005	Biological Principles	GEP
PSY 2012	General Psychology	GEP
PHY, PSC or CHM		GEP

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (56 hrs)

Core Requirements (53 hrs)

DEP 2004C	Developmental Psychology	3 hrs
SPA 3471	Communication Disorders in Literature and Media	3 hrs
SPA 3101	Physiological Bases of Speech and Hearing	3 hrs

SPA 3112	Basic Phonetics	3 hrs
SPA 3112L	Basic Phonetics Lab	1 hr
LIN 3716	Language Development	3 hrs
LIN 3716L	Language Development Lab	2 hrs
SPA 3011	Speech Science I: Production	3 hrs
SPA 3011L	Speech Production Lab	1 hr
SPA 3104	Neural Bases of Communication	3 hrs
SPA 3123	Speech Science II: Perception	3 hrs
SPA 3123L	Speech Perception Lab	1 hr
SPA 4476	Speech Disorders Across the Lifespan	3 hrs
SPA 4032	Audiology	3 hrs
SPA 4478	Multicultural Aspects of Communication Disorders & Differences	3 hrs
SPA 4400	Language Disorders Across the Life Span	3 hrs
LIN 3713	Language Science	3 hrs
SPA 4870C	Capstone Course	3 hrs
SPA 4326	Hearing Disorders Across the Lifespan	3 hrs

Select 1: (3 hrs)

EAB 3703C	Principles of Behavior Modification or	4 hrs
EEX 4601	Introduction to Behavior Management or	3 hrs
EEC 4604	Classroom Management and Guidance of Young Children or	3 hrs

EDF 3303	Learning Environments and Guidance for Young Children or	3 hrs

SPA 3472	Guidance of Young Children with Communication Disorders or	3 hrs

EEX 3450	Young Children With Special Needs	3 hrs

Statistics Requirement (3 hrs)

- Students have two options for completing this requirement:

Option 1: (3 hrs)

STA 2023	Statistical Methods I and	GEP
STA 4163	Statistical Methods II	3 hrs

Option 2:

STA 2014C	Principles of Statistics and	GEP
SPA 4803	Research Methods in Communication Sciences and Disorders	3 hrs

or

STA 2023	Statistical Methods I and	GEP
SPA 4803	Research Methods in Communication Sciences and Disorders	3 hrs

5. Restricted Electives (9 hrs)

- An additional nine credit hours of upper division course work in Communication Sciences and Disorders selected in consultation with an academic advisor.

B.A./B.S. Option:

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.

- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

6. Capstone Requirements

SPA 4870C	Capstone Course	3 hrs

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Students can choose 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements

- None

10. Required Minors

- None



11. Departmental Exit Requirements

- Students must achieve a minimum grade of "C-" (1.75) in all prerequisite courses, core courses, restricted electives, and B.A./B.S. electives in the department.
- Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Interested students should consult with the undergraduate program coordinator.

Related Programs

- Health Services Administration
- Psychology
- Social Work
- Exceptional Student Education
- Early Childhood Education
- Physical Therapy

Certificates

- None

Related Minors

- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Human Communication
- Linguistics
- Psychology
- Spanish

Advising Notes

- Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master's degree in Communication Sciences and Disorders.

Transfer Notes

- "D" (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall

ENC 1101	Composition I	3 hrs
PSY 102	General Psychology	3 hrs
Any BSC course or ANT X511		3 hrs
Free Electives		6 hrs

Select 1:

ARH 2050	History of Western Art I or	3 hrs
ARH 2051	History of Western Art II or	3 hrs
MUL 2010	Enjoyment of Music or	3 hrs
THE 2000	Theatre Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II or	3 hrs
FIL 1000	Cinema Survey	3 hrs

Freshman Year - Spring

ENC 1102	Composition II	3 hrs
DEP 2004C	Developmental Psychology	3 hrs

Select 1:

PHY, PSC, or CHM Course	3 hrs

Select 1:

ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics or	3 hrs
POS 2041	American National Government	3 hrs

Select 1:

EUH 2000	Western Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I or	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs

Sophomore Year - Fall

SPC 1608	Fundamentals of Oral Communication	3 hrs
SPA 3471	Communication Disorders in Literature and Media	3 hrs
Free Elective		3 hrs

Select 1:

EUH 2001	Western Civilization II or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs

Select 1:

MGF 1106	Finite Mathematics or	3 hrs
MAC 1105C	College Algebra	3 hrs

Sophomore Year - Spring

- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.

SPA 3112	Basic Phonetics	3 hrs
SPA 3112L	Basic Phonetics Lab	1 hr
Foreign Language I (B.A.) or Health Sciences (B.S.) elective		3 hrs

Select 1:

EAB 3703C	Principles of Behavior Modification or	3 hrs
EDF 3303	Learning Environments and Guidance for Young Children or	4 hrs
EEX 3450	Young Children With Special Needs or	3 hrs
EEX 4601	Introduction to Behavior Management or	3 hrs
EEC 4604	Classroom Management and Guidance of Young Children or	3 hrs

SPA 3472

Guidance of Young Children with Communication Disorders	3 hrs

Select 1:

STA 2014C	Principles of Statistics or	3 hrs
STA 2023	Statistical Methods I	3 hrs

Sophomore Year - Summer

- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.

Foreign Language II (B.A.) or Health Sciences (B.S.) elective	3 hrs
Free Elective	3 hrs

Junior Year - Fall

SPA 3011	Speech Science I: Production	3 hrs
SPA 3011L	Speech Production lab	1 hr
SPA 3101	Physiological Bases of Speech and Hearing	3 hrs
LIN 3713	Language Science	3 hrs
Restricted Elective		3 hrs

Junior Year - Spring

SPA 3123	Speech Science II: Perception	3 hrs
SPA 3123L	Speech Perception Lab	1 hr
SPA 4476	Speech Disorders Across the Lifespan	3 hrs
SPA 3104	Neural Bases of Communication	3 hrs
LIN 3716	Language Development	3 hrs
LIN 3716L	Language Development Lab	2 hrs

UCF Degree Programs

Senior Year - Fall			12 hrs
SPA 4032	Audiology		3 hrs
SPA 4400	Language Disorders Across the Life Span		3 hrs
SPA 4478	Multicultural Aspects of Communication Disorders & Differences		3 hrs

Select 1:			3 hrs
STA 4163	Statistical Methods II or		3 hrs
SPA 4803	Research Methods in Communication Sciences and Disorders		3 hrs

Senior Year - Spring			12 hrs
SPA 4326	Hearing Disorders Across the Lifespan		3 hrs
SPA 4870C	Capstone Course		3 hrs
Free Elective			3 hrs
Restricted Elective			3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oaas.ucf.edu/alac/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$17.50 per term
- Full-Time Student: \$35 per term

Computer Engineering (B.S.P.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,
Room: 346

<http://www.eecs.ucf.edu>

Email: undergraduate@eecs.ucf.edu

Dr. Samuel Richie
 Charlese Hilton-Brown
 Phone: 407-823-3327

Admission Requirements

■ Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

■ Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements

- None

1. UCF General Education Program (GEP) (38 hrs)

■ The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations			(9 hrs)
Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

Select 1:			3 hrs
Suggested	SPC 1603C	Fundamentals of Technical Presentations or	3 hrs
Suggested	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations			(9 hrs)
		Select two courses from Historical Foundations	6 hrs
		Select one class from Cultural Foundations	3 hrs

C: Mathematical Foundations			(7 hrs)
Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs
Required	STA 3032	Probability and Statistics for Engineers	3 hrs

D: Social Foundations			(6 hrs)
Select 1:			3 hrs
Prefer	ECO 2013	Principles of Macroeconomics or	3 hrs
Prefer	ECO 2023	Principles of Microeconomics	3 hrs
Select one class from Social Foundations			3 hrs

E: Science Foundations			(7 hrs)
Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Select one course from Science Foundations			3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CpE major courses, a 2.0 (C or better) in each course is required for those course indicated.

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

¹ MAC	Calculus with Analytic Geometry I	GEP
2311C		
¹ MAC 2312	Calculus with Analytic Geometry II	4 hrs
¹ MAC 2313	Calculus with Analytic Geometry III	4 hrs
¹ MAP 2302	Ordinary Differential Equations I	3 hrs
¹ PHY 2048C	Physics for Engineers & Scientists I	GEP
¹ PHY 2049C	Physics for Engineers and Scientists II	4 hrs

Select 1:			4 hrs
² CHS 1440	Fundamentals of Chemistry for Engineers or		4 hrs
CHM 2045C	Chemistry Fundamentals I		4 hrs

¹ A "C" (2.0) or better is required in this course.

² Preferred

3. Core Requirements: Basic Level (2 hrs)

■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

4. Core Requirements: Advanced Level (57 hrs)

Engineering Core			6 hrs
EGN 3310	Engineering Analysis-Statics		3 hrs
STA 3032	Probability and Statistics for Engineers		GEP

Select 1:			3 hrs
EGN 3321	Engineering Analysis-Dynamics or		3 hrs
EGN 3358	Thermo-Fluids-Heat Transfer		3 hrs

Courses Required for the Major (48 hrs)

COT 3100C	Introduction to Discrete Structures	3 hrs
COP 3502C	Computer Science I	3 hrs
COP 3503C	Computer Science II	3 hrs
COP 3330	Object Oriented Programming	3 hrs
COP 4331C	Processes for Object-Oriented Software Development	3 hrs
EEL 3004C	Electrical Networks	3 hrs
EEL 3123C	Networks and Systems	4 hrs
EEE 3307C	Electronics I	4 hrs
EEE 3342C	Digital Systems	3 hrs
EEL 3801C	Computer Organization	3 hrs
EEL 4742C	Embedded Systems	4 hrs
EEL 4768	Computer Architecture	3 hrs
EEL 4781	Computer Communication Networks	3 hrs
COP 4600	Operating Systems	3 hrs
EGN 3211	Engineering Analysis and Computation	3 hrs

5. Restricted Electives (9 hrs)

■ Technical electives are available in the BSCpE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements	(6 hrs)
EEL 4914 Senior Design I	3 hrs
EEL 4915L Senior Design II	3 hrs

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ Computer engineering students must earn at least 32 hours in residence at UCF.
 ■ 24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the EECS Department at UCF and applicable to the degree program.

10. Required Minors

■ None

11. Departmental Exit Requirements

■ CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA
 ■ 60 semester hours earned after CLEP awarded
 ■ 48 semester hours of upper division credit completed
 ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
 ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
 ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 128

Honors In Major

■ None

Related Programs

■ Computer Science
 ■ Electrical Engineering
 ■ Information Technology
 ■ Mathematics - Engineering/Physics Track
 ■ Physics

Certificates

■ None

Related Minors

■ Information Technology
 ■ Computer Science
 ■ Intelligent Robotic Systems (IRS) - Interdisciplinary
 ■ Engineering Leadership
 ■ Mathematics
 ■ Physics

Advising Notes

■ Each engineering student should meet regularly with an academic advisor in the major department.
 ■ Students are assumed to have knowledge of a higher level programming language (C preferred).
 ■ The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
 ■ Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

Transfer Notes

■ Courses taken from Florida College System Institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program

■ Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (128 hrs)

■ The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 15 hrs

EEN 1006C	Introduction to the Engineering Profession	1 hr
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
GEP- Historical Foundation		3 hrs

Select 1 3 hrs

¹ SPC 1603C	Fundamentals of Technical Presentations	3 hrs
	or	
SPC 1608	Fundamentals of Oral Communication	3 hrs

Select 1: 4 hrs

CHS 1440	Fundamentals of Chemistry for Engineers	4 hrs
	or	
CHM 2045C	Chemistry Fundamentals I	4 hrs

¹ Preferred

Freshman Year - Spring 15 hrs

EEN 1007C	Engineering Concepts and Methods	1 hr
ENC 1102	Composition II	3 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
COT 3100C	Introduction to Discrete Structures	3 hrs

Sophomore Year - Fall 17 hrs

PHY 2049C	Physics for Engineers and Scientists II	4 hrs
EEN 3211	Engineering Analysis and Computation	3 hrs
EEN 3310	Engineering Analysis-Statics	3 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
GEP- Historical Foundation		3 hrs

Sophomore Year - Spring 15 hrs

EEL 3004C	Electrical Networks	3 hrs
EEE 3342C	Digital Systems	3 hrs
MAP 2302	Ordinary Differential Equations I	3 hrs
ENC 1102	Composition II	3 hrs
GEP-Science Foundation		3 hrs

Sophomore Year - Summer 10 hrs

EEL 3123C	Networks and Systems	4 hrs
EEL 3801C	Computer Organization	3 hrs
GEP- Cultural Foundation		3 hrs

Junior Year - Fall 16 hrs

COP 3330	Object Oriented Programming	3 hrs
COP 3502C	Computer Science I	3 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs
EEE 3307C	Electronics I	4 hrs

Select 1: 3 hrs

EEN 3321	Engineering Analysis-Dynamics or	3 hrs
EEN 3358	Thermo-Fluids-Heat Transfer	3 hrs

Junior Year - Spring 13 hrs

COP 3503C	Computer Science II	3 hrs
EEL 4742C	Embedded Systems	4 hrs
COP 4331C	Processes for Object-Oriented Software Development	3 hrs
GEP- Social Foundation		3 hrs

Senior Year - Fall 15 hrs

EEL 4768	Computer Architecture	3 hrs
EEL 4914	Senior Design I	3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs

Select 1: 3 hrs

ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs



UCF Degree Programs

Senior Year - Spring	12 hrs
COP 4600 Operating Systems	3 hrs
EEL 4915L Senior Design II	3 hrs
EEL 4781 Computer Communication Networks	3 hrs
Restricted Elective	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$30 per term
- Full-Time Student: \$60 per term

Computer Science (B.S.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,
Room: 346

<http://www.eecs.ucf.edu>

Email: undergraduate@eecs.ucf.edu

Dr. Ali Orooji

Julie Faris

Phone: 407-823-3327

Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

Admission Requirements

- None

Degree Requirements

- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the Computer Science Division at UCF
- 18 of the 24 Residency hours must be at the 4000-5000 level
- Students must earn at least a 2.0 in each course 2-5

1. UCF General Education Program (GEP) (39 hrs)

A: Communication Foundations (9 hrs)	
Required ENC 1101 Composition I	3 hrs
Required ENC 1102 Composition II	3 hrs

Select 1: (3 hrs)

Prefer SPC 1603C Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Required MAC 2311C Calculus with Analytic Geometry I	4 hrs
Required STA 2023 Statistical Methods I	3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Prefer BSC 2010C Biology I	4 hrs
Prefer PHY 2048C Physics for Engineers & Scientists I	4 hrs

2. Common Program Prerequisites (CPP) (17 hrs)

- A "C" (2.0) or better is required in all courses in this area.

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

COP 3223 Introduction to Programming with C	3 hrs
MAC 2311C Calculus with Analytic Geometry I	GEP
MAC 2312 Calculus with Analytic Geometry II	4 hrs
PHY 2048C Physics for Engineers & Scientists I	GEP
PHY 2049C Physics for Engineers and Scientists II	4 hrs

Select 2: (6 hrs)

■ 4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.	
BSC 2010C Biology I or	GEP
BSC 2011C Biology II or	4 hrs
CHM 2045C Chemistry Fundamentals I or	4 hrs
CHM 2046 Chemistry Fundamentals II or	3 hrs
PHY 3101 Physics for Engineers and Scientists III	3 hrs

3. Core Requirements: Basic Level (24 hrs)

- A "C" (2.0) or better is required in all courses in this area.

STA 2023 Statistical Methods I	GEP
COP 3330 Object Oriented Programming	3 hrs
COP 3502C Computer Science I	3 hrs
COP 3503C Computer Science II	3 hrs
ENC 3241 Writing for the Technical Professional	3 hrs
CDA 3103 Computer Logic and Organization	3 hrs
COT 3100C Introduction to Discrete Structures	3 hrs
CIS 3360 Security in Computing	3 hrs
COP 3402 Systems Software	3 hrs
COT 3960 CS Foundation Exam	0 hrs

4. Core Requirements: Advanced Level (21 hrs)

- A "C" (2.0) or better is required in all courses in this area.

■ Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.

COP 4331C Processes for Object-Oriented Software Development	3 hrs
EEL 4768 Computer Architecture	3 hrs
COT 4210 Discrete Structures II	3 hrs
COP 4020 Programming Languages I	3 hrs
COP 4600 Operating Systems	3 hrs
COP 4934 Senior Design I	3 hrs
COP 4935 Senior Design II	3 hrs

5. Restricted Electives (15 hrs)

- A "C" (2.0) or better is required in all courses in this area.

4000-5000 level Computer Science courses (9 hrs)

- Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

Advanced mathematics or statistics (6 hrs)

- Choose at least two courses from the following list of approved choices to satisfy this requirement:

- Any 4000-5000 level courses with STA, MAP, MAA, MAD or MAS prefixes, except independent study hours, internship, or cooperative education hours.

MAC 2313 Calculus with Analytic Geometry III	4 hrs
MAP 2302 Ordinary Differential Equations I	3 hrs
MAS 3105 Matrix and Linear Algebra	4 hrs
MAS 3106 Linear Algebra	4 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

- Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives (4 hrs)

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Complete an exit survey



12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Computer Engineering
- Information Technology

Certificates

- None

Related Minors

- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology

Advising Notes

- The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 12 hrs

ENC 1101	Composition I	3 hrs
SPC 1603C	Fundamentals of Technical Presentations	3 hrs
COP 3223	Introduction to Programming with C	3 hrs
COT 3100C	Introduction to Discrete Structures	3 hrs

Freshman Year - Spring 13 hrs

ENC 1102	Composition II	3 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
COP 3502C	Computer Science I	3 hrs
CDA 3103	Computer Logic and Organization	3 hrs
COT 3960	CS Foundation Exam	0 hrs

Freshman Year - Summer 7 hrs

MAC 2312	Calculus with Analytic Geometry II	4 hrs
COP 3330	Object Oriented Programming	3 hrs

Sophomore Year - Fall 14 hrs

COP 3402	Systems Software	3 hrs
COP 3503C	Computer Science II	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
GEP		3 hrs

Sophomore Year - Spring 14 hrs

COP 4331C	Processes for Object-Oriented Software Development	3 hrs
ENC 3241	Writing for the Technical Professional	3 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
CIS 3360	Security in Computing	3 hrs

Sophomore Year - Summer 6 hrs

STA 2023	Statistical Methods I	3 hrs
GEP		3 hrs

Junior Year - Fall 14 hrs

EEL 4768	Computer Architecture	3 hrs
COP 4020	Programming Languages I	3 hrs
BSC 2010C	Biology I	4 hrs
GEP		3 hrs

Junior Year - Spring 13 hrs

COP 4600	Operating Systems	3 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
Math/Stat Restricted Elective		3 hrs
CS Restricted Elective		3 hrs

Junior Year - Summer 3 hrs

COT 4210	Discrete Structures II	3 hrs

Senior Year - Fall 15 hrs

CS Restricted Elective		3 hrs
GEP		3 hrs
Free Elective		3 hrs
COP 4934	Senior Design I	3 hrs
Multicultural Elective		3 hrs

Senior Year - Spring 12 hrs

CS Restricted Elective		3 hrs
GEP		3 hrs
Math/Stat Restricted Elective		3 hrs
COP 4935	Senior Design II	3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$9 per term
- Full-Time Student: \$18 per term

Construction Engineering (B.S.Con.E.)

College of Engineering and Computer Science

Department of Civil, Environmental, and Construction

Engineering, Engineering II, Room: 211

<http://www.cece.ucf.edu>

Carol Ann Pohl, carolann.pohl@ucf.edu

Dr. Amr A. Oloufa, amr.oloufa@ucf.edu

Phone: 407-823-2841

Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C or CHM 2040 AND CHM 2041.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)

- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University system should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Suggested	SPC 1603C	Fundamentals of Technical Presentations	3 hrs

UCF Degree Programs

B: Cultural & Historical Foundations (9 hrs)

Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)

Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)

Select one class from Social Foundation Group 1 3 hrs
Select one course from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)

Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311C and PHY 2048/48L also satisfy UCF GEP.

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
■ A grade of "C" (2.0) or better is required in each course in this section.

MAC 2311C	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Ordinary Differential Equations I	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

Select one of the following sequences of courses:

- Preferred course
CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

or - First alternative: Select both of the following:

CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

or - Second alternative

CHM 2045C	Chemistry Fundamentals I	4 hrs

3. Core Requirements: Basic Level (2 hrs)

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

4. Core Requirements: Advanced Level (60 hrs)

¹ EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs
¹ EGN 3331	Mechanics of Materials	3 hrs
¹ STA 3032	Probability and Statistics for Engineers	GEP
¹ EGN 3613	Engineering Economic Analysis	2 hrs
¹ ENV 3001	Introduction to Environmental Engineering	3 hrs
¹ CWR 3201	Engineering Fluid Mechanics	3 hrs
¹ CCE 4003	Introduction to the Construction Industry	3 hrs
¹ CCE 4034	Construction Estimating and Scheduling	3 hrs
¹ CCE 4813	Mechanical and Electrical Systems for Buildings	4 hrs
CCE 4402	Construction Equipment and Productivity	3 hrs
¹ CCE 4004	Construction Methods	3 hrs
CGN 3501C	Civil Engineering Materials	3 hrs
CGN 3700C	Civil Engineering Measurements	4 hrs
CWR 4632C	Water Resources Engineering I	4 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
¹ CES 4100C	Structural Analysis I and Lab	4 hrs

Structural Depth 3 hrs

CES 4605	Steel Structures or	3 hrs
CES 4702	Reinforced Concrete Structures	3 hrs

Additional Area Depth Sequence

- Geotechnical Engineering		
CEG 4011C	Geotechnical Engineering I and	4 hrs
CEG 4012	Geotechnical Engineering II	3 hrs

or - Transportation Engineering

TTE 3810	Highway Engineering and	3 hrs
TTE 4274	Transportation Engineering Systems	3 hrs

¹ A "C" (2.0) or better is required in this course.

5. Restricted Electives (3 hrs)

■ Technical electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

■ Required Senior Design Courses
¹ CCE 4810C Construction Design Project 3 hrs
CGN 4808C CECE Capstone Design 3 hrs

¹ A "C" (2.0) or better is required in this course.

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ Construction engineering students must take the Fundamentals of Engineering(FE)Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors

■ None

11. Departmental Exit Requirements

■ None

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 128

Honors In Major

■ None

Related Programs

■ Civil Engineering
■ Environmental Engineering

Certificates

■ None

Related Minors

■ Mathematics
■ Engineering Leadership
■ Business

Advising Notes

■ Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.



■ The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master's followed by the PhD.

Transfer Notes

■ Courses taken from Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.

■ Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

■ EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (128 hrs)

■ The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 14 hrs

ENC 1101	Composition I	3 hrs
GEP		6 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
EGN 1006C	Introduction to the Engineering Profession	1 hr

Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
GEP		3 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
EGN 1007C	Engineering Concepts and Methods	1 hr

Sophomore Year - Fall 16 hrs

MAC 2313	Calculus with Analytic Geometry III	4 hrs
CHS 1440	Fundamentals of Chemistry for Engineers	4 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3613	Engineering Economic Analysis	2 hrs
GEP		3 hrs

Sophomore Year - Spring 16 hrs

MAP 2302	Ordinary Differential Equations I	3 hrs
EGN 3331	Mechanics of Materials	3 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
ENV 3001	Introduction to Environmental Engineering	3 hrs
GEP		3 hrs

Sophomore Year - Summer 9 hrs

CCE 4003	Introduction to the Construction Industry	3 hrs
CWR 3201	Engineering Fluid Mechanics	3 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs

Junior Year - Fall 17 hrs

CES 4100C	Structural Analysis I and Lab	4 hrs
GEP		3 hrs
CCE 4034	Construction Estimating and Scheduling	3 hrs
CCE 4813	Mechanical and Electrical Systems for Buildings	4 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs

Junior Year - Spring 16 hrs

CCE 4004	Construction Methods	3 hrs
CCE 4402	Construction Equipment and Productivity	3 hrs
CGN 3501C	Civil Engineering Materials	3 hrs
CGN 3700C	Civil Engineering Measurements	4 hrs

Concrete or Steel 3 hrs

CES 4605	Steel Structures or	3 hrs
CES 4702	Reinforced Concrete Structures	3 hrs

Senior Year - Fall		13 hrs
CCE 4810C	Construction Design Project	3 hrs
CWR 4632C	Water Resources Engineering I	4 hrs
Approved Technical Elective		3 hrs

Select 1:		3 hrs
CEG 4011C	Geotechnical Engineering I or	4 hrs
TTE 3810	Highway Engineering	3 hrs

Senior Year - Spring		12 hrs
CGN 4808C	CECE Capstone Design	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
GEP		3 hrs

Select 1: 3 hrs

■ Take subsequent course to one selected in Fourth Year Fall.

CEG 4012	Geotechnical Engineering II or	3 hrs
TTE 4274	Transportation Engineering Systems	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$33 per term
- Full-Time Student: \$66 per term

Criminal Justice (B.A. / B.S.)

College of Health and Public Affairs

Department of Criminal Justice,

Health & Public Affairs I, Room: 311

<http://www.cohpa.ucf.edu/crim.jus/>

Email: cjadvice@mail.ucf.edu

Mary Ann Eastep

Phone: 407-823-2603

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students should complete the General Education Program before transferring within the Florida College System or State University system.

■ The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.

■ Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.

■ Students must earn a grade of C- (1.75) or better in each core course

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs

Suggested	CGS 1060C	Introduction to Computers or	3 hrs
Suggested	STA 1063C	Basic Statistics Using	3 hrs
		Microsoft Excel or	
Suggested	STA 2014C	Principles of Statistics	3 hrs

Select 1: 3 hrs

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

■ None

3. Core Requirements: Basic Level

■ None



UCF Degree Programs

4. Core Requirements: Advanced Level (21 hrs)

- See "Common Prerequisites" in the Transfer and

Transitions Services section for more information.

CCJ 3024	Criminal Justice System	3 hrs
CCJ 3014	Crime in America	3 hrs
CJL 3510	Prosecution and Adjudication	3 hrs
CJC 3010	Corrections and Penology	3 hrs
CJE 4014	Police and Society	3 hrs
CCJ 4701	Research Methods in Criminal Justice	3 hrs
CCJ 4746	Data Analysis for Criminal Justice	3 hrs

5. Restricted Electives (39 hrs)

- 27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.

- 12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the department with a minimum of 15 semester hours credit.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Interested students should consult with a faculty advisor.

Related Programs

- Legal Studies

Certificates

- Crime Analysis and Crime Mapping
- Criminal Profiling
- Security Management

- Crime Scene Investigation

- Victim Advocacy

Related Minors

- Legal Studies
- Public Administration
- Psychology

Advising Notes

- None

Transfer Notes

- "D" (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 14 hrs

ENC 1101	Composition I	3 hrs
PAF 2102	Public Affairs Careers	2 hrs

Select 1: 3 hrs

MGF 1106	Finite Mathematics or	3 hrs
MAC 1105C	College Algebra	3 hrs

Select 1: 3 hrs

PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs

Select 1: 3 hrs

EUH 2000	Western Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I or	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs

Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
CGS 1060C	Introduction to Computers	3 hrs

Select 1: 3 hrs

PSC 1121	Physical Science or	3 hrs
CHM 1020	Concepts in Chemistry	3 hrs

Select 1: 3 hrs

PHI 2010	Introduction to Philosophy or	3 hrs
MUL 2010	Enjoyment of Music	3 hrs

Select 1: 3 hrs

ARH 2050	History of Western Art I or	3 hrs
THE 2000	Theatre Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II	3 hrs

Sophomore Year - Fall 15 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
Free Elective		3 hrs

Select 1: 3 hrs

EUH 2001	Western Civilization II or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs

Select 1: 3 hrs

BSC 1005	Biological Principles or	3 hrs
MCB 1310	Introduction to Biotechnology and Genetic Engineering or	3 hrs
GLY 1030	Geology and its Applications or	3 hrs
PSC 1121	Physical Science or	3 hrs
ANT 2511	The Human Species	3 hrs

Select 1: 3 hrs

POS 2041	American National Government or	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs

Sophomore Year - Spring 15 hrs

CCJ 3024	Criminal Justice System	3 hrs
CCJ 3014	Crime in America	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs



Junior Year - Fall	15 hrs
CJL 3510 Prosecution and Adjudication	3 hrs
CJC 3010 Corrections and Penology	3 hrs
Restricted Elective	3 hrs
Supporting Elective	3 hrs
CJ Elective	3 hrs

Junior Year - Spring	15 hrs
CJE 4014 Police and Society	3 hrs
CCJ 4701 Research Methods in Criminal Justice	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Supporting Elective	3 hrs

Senior Year - Fall	15 hrs
CCJ 4746 Data Analysis for Criminal Justice	3 hrs
Restricted Elective	3 hrs
Supporting Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

Senior Year - Spring	12 hrs
¹ Free Elective	3 hrs
¹ Free Elective	3 hrs
Supporting Elective	3 hrs
Restricted Elective or CCJ Internship	3 hrs

¹ If necessary

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm

Criminal Justice Scholar's Track (B.A. / B.S.)

College of Health and Public Affairs

Department of Criminal Justice,

Health & Public Affairs 1, Room 311

<http://www.cohpa.ucf.edu/crim.jus/>

Email: cjadvice@ucf.edu

Mary Ann Eastep, UG Program Coordinator

Phone: 407-823-2603

Admission Requirements

- An application is required. Minimum GPA of 3.0 for Admission.
- Applicant must declare this specific track.
- A grade of "B" (3.0) or better in ENC 1101 and ENC 1102 is required.
- Writing sample may be required if above requirement is not met.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Select 1 (3 hrs)

Suggested	CGS 1060C	Introduction to Computers or	3 hrs
Suggested	STA 1063C	Basic Statistics Using	3 hrs
		Microsoft Excel or	
Suggested	STA 2014C	Principles of Statistics	3 hrs

Select 1			3 hrs
Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (33 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

CCJ 3014	Crime in America	3 hrs
CCJ 3024	Criminal Justice System	3 hrs
CJC 3010	Corrections and Penology	3 hrs
CJL 3510	Prosecution and Adjudication	3 hrs
CJE 4014	Police and Society	3 hrs
CCJ 4701	Research Methods in Criminal Justice	3 hrs
CCJ 4746	Data Analysis for Criminal Justice	3 hrs

Scholar's Seminar (12 hrs)

- Students accepted into CJ Scholar's Track will take CCJ 4934 four times with different topics for a total of 12 hours.

CCJ 4934	Emergent Criminal Justice Issues	3 hrs

5. Restricted Electives (27 hrs)

- 15 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of Program standards must be met to be eligible for either internship or independent study credit.
- 12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but included selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the department with a minimum of 15 semester credit hours.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- Students pursuing a B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. Electives

- None

9. Additional Requirements

- Students whose GPA falls below 3.0 out of a possible 4.0 will not be permitted to continue in the track and will be transferred to the Criminal Justice BA/BS degree.

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

UCF Degree Programs

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ Interested students should consult with a faculty advisor.

Related Programs

■ Legal Studies

Certificates

■ Crime Analysis and Crime Mapping

■ Criminal Profiling

■ Security Management

■ Crime Scene Investigation

■ Victim Advocacy

Related Minors

■ Legal Studies

■ Public Administration

■ Psychology

Advising Notes

■ Students are not accepted into Internship Program with grades less than a "C" in core courses.

Transfer Notes

■ "D" (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

Freshman Year - Fall 14 hrs

ENC 1101	Composition I	3 hrs
PAF 2102	Public Affairs Careers	2 hrs

Select 1: 3 hrs

MGF 1106	Finite Mathematics or	3 hrs
MAC 1105C	College Algebra	3 hrs

Select 1: 3 hrs

PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs

Select 1: 3 hrs

EUH 2000	Western Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I or	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs

Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
CGS 1060C	Introduction to Computers	3 hrs

Select 1: 3 hrs

PSC 1121	Physical Science or	3 hrs
CHM 1020	Concepts in Chemistry	3 hrs

Select 1: 3 hrs

PHI 2010	Introduction to Philosophy or	3 hrs
MUL 2010	Enjoyment of Music	3 hrs

Select 1: 3 hrs

ARH 2050	History of Western Art I or	3 hrs
THE 2000	Theatre Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II	3 hrs

Sophomore Year - Fall 15 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
Free Elective		3 hrs

Select 1: 3 hrs

EUH 2001	Western Civilization II or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs

Select 1: 3 hrs

BSC 1005	Biological Principles or	3 hrs
MCB 1310	Introduction to Biotechnology and Genetic	3 hrs

Engineering or

GLY 1030 Geology and its Applications or 3 hrs

PSC 1121 Physical Science or 3 hrs

ANT 2511 The Human Species 3 hrs

Select 1: 3 hrs

POS 2041	American National Government or	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs

Sophomore Year - Spring 15 hrs

CCJ 3024	Criminal Justice System	3 hrs
CCJ 3014	Crime in America	3 hrs

Restricted Elective 3 hrs

Restricted Elective 3 hrs

Supporting Elective 3 hrs

Junior Year - Fall 15 hrs

CJL 3510 Prosecution and Adjudication 3 hrs

CJC 3010 Corrections and Penology 3 hrs

CCJ 4934 Emergent Criminal Justice Issues 1 hr

Supporting Elective 3 hrs

CJ Elective 3 hrs

Junior Year - Spring 15 hrs

CJE 4014 Police and Society 3 hrs

CCJ 4701 Research Methods in Criminal Justice 3 hrs

CCJ 4934 Emergent Criminal Justice Issues 1 hr

Restricted Elective 3 hrs

Supporting Elective 3 hrs

Senior Year - Fall 15 hrs

CCJ 4934 Emergent Criminal Justice Issues 1 hr

CCJ 4746 Data Analysis for Criminal Justice 3 hrs

Supporting Elective 3 hrs

Restricted Elective 3 hrs

Free Elective 3 hrs

Senior Year - Spring 12 hrs

Free Elective 3 hrs

Free Elective 3 hrs

CCJ 4934 Emergent Criminal Justice Issues 1 hr

Restricted Elective or CCJ Internship 3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Digital Media (B.A.)

College of Arts and Humanities

School of Visual Arts and Design,

Visual Arts Building, Room: 117

<http://svad.cah.ucf.edu/>

Email: svadadvising@ucf.edu

Phone: 407-823-2676

The B.A. in Digital Media allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations -Game Design and Web Design - lead to a Bachelor of Arts degree.

Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (<http://www.cstore.ucf.edu>) for the minimum hardware and software specifications.



Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 24 hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 and DIG 4713 as noted.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor at least once annually.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 9 hrs

Required	ARH 2050	History of Western Art I and	3 hrs
Required	ARH 2051	History of Western Art II and	3 hrs
	Select one additional course from approved list		3 hrs

C: Mathematical Foundations (7 hrs)

Required	COP 2500C	Concepts in Computer Science	4 hrs
¹ Required	MAC 1105C	College Algebra	3 hrs

¹ (May substitute more advanced version)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)

ARH 2050	History of Western Art I	GEP
ARH 2051	History of Western Art II	GEP
ART 2201C	Design Fundamentals-Two Dimensional	3 hrs
ART 2300C	Drawing Fundamentals I	3 hrs
COP 2500C	Concepts in Computer Science	GEP
MAC 1105C	College Algebra	GEP

3. Core Requirements: Basic Level (12 hrs)

- Admission to all courses after DIG 2000 is dependent on the student achieving at least a 'B' (3.0) in DIG 2000.

Digital Media Core: Basic

DIG 2000	Introduction to Digital Media	3 hrs
DIG 2030C	Digital Video Fundamentals	3 hrs
DIG 2109C	Digital Imaging Fundamentals	3 hrs
DIG 2500C	Fundamentals of Interactive Design	3 hrs

4. Core Requirements: Advanced Level (12 hrs)

Digital Media Core: Advanced

DIG 3024	Digital Cultures & Narrative	3 hrs
DIG 3480C	Computer as a Medium	3 hrs
DIG 3525	Digital Media Production I	3 hrs
DIG 4780C	Modeling for Realtime Systems	3 hrs

Game Design 42 hrs

- Admission to all courses after DIG 4713 is dependent on the student achieving at least a "B" (3.0) in DIG 4713.

Game Design: Basic Concentration 24 hrs

COP 3223	Introduction to Programming with C and	3 hrs
COP 3330	Object Oriented Programming and	3 hrs
DIG 4630C	Media Business Practices and	3 hrs
DIG 4713	Game Design and	3 hrs
DIG 4715C	Game Production and	3 hrs
DIG 4720C	Casual Game Production and	3 hrs
FIL 3720C	Introduction to Animation and	3 hrs
GRA 2151C	Illustration	3 hrs

Game Design: Restricted Electives 18 hrs

- Complete 18 hours of credits from the following areas:
 - NOTE: DIG 4725C Must be taken at least two times. It is repeatable for credit.
- | | |
|--|--------|
| 12 Additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level courses approved by the school. and | 12 hrs |
| DIG 4725C Game Design Workshop | 6 hrs |

Web Design 42 hrs

Web Design: Basic Concentration 24 hrs

DIG 3134	Media Software Design and	3 hrs
DIG 3563	Information Management and	3 hrs
	Entrepreneurship and	
DIG 3716C	Internet Interaction and	3 hrs
DIG 3811	User-Centered Design and	3 hrs
DIG 4503	Rapid Application Web Development and	3 hrs
DIG 4530C	Media for e-Commerce and	3 hrs
DIG 4630C	Media Business Practices and	3 hrs
GRA 3803C	Intermediate Computer Graphic Design	3 hrs

Web Design: Restricted Electives 18 hrs

- Complete 18 hours of credits from the following areas:
 - Note: DIG 4104C must be taken at least two times. It is repeatable for credit.
- | | |
|--|--------|
| 12 additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school. and | 12 hrs |
| DIG 4104C Web Design Workshop | 6 hrs |

5. Restricted Electives

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Art
- Computer Science
- English - Creative Writing
- English - Literature
- English - Technical Communication
- Film - Cinema Studies Track
- Music

Certificates

- None

Related Minors

- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

UCF Degree Programs

Advising Notes

- <http://svad.cah.ucf.edu/students>
- svadadvising@ucf.edu

Transfer Notes

- Grades less than 'C' (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Early Childhood Development and Education Track

1: Education: Pre-Kindergarten - Primary (PK-3)

(B.S.)

College of Education and Human Performance

School of Teaching, Learning and Leadership,

Education Building, Room: 209

<http://education.ucf.edu/ece/>

Email: ece@mail.ucf.edu

Dr. Judy Levin, ED 122L, Judith.Levin@ucf.edu

Phone: 407-823-4615

EDUCATION: PRE-KINDERGARTEN-PRIMARY (PK-3) TRACK
Early Childhood Development and Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in the Education: Pre-Kindergarten-Primary (Pre-K-3rd) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL Endorsement and Reading Endorsement. Students in this track take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Pass all four parts of the General Knowledge Test.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements

- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by email (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.

- Students must earn a "C" (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See <http://www.fldoe.org> for available test dates and test sites. FTCE General Knowledge Test (GKT)-passing scores on the GKT is required prior to admission to the major. FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- FTCE General Knowledge Test (GKT) - passing scores on the GKT is strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)

- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

General Education Program elective from section B2: 3 hrs

Prefer	REL 2300	World Religions or	3 hrs
Prefer	PHI 2010	Introduction to Philosophy or	3 hrs
Prefer	LIT 2110	World Literature I or	3 hrs
Prefer	LIT 2120	World Literature II	3 hrs
		General Education Program elective from section B1	3 hrs
		General Education Program elective: Prefer a second course from GEP section B1	3 hrs

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs

Prefer	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

Select 1: 3 hrs

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

E: Science Foundations (6 hrs)

Prefer	PSC 1121	Physical Science	3 hrs

Select 1: 3 hrs

Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
¹ EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

¹ In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (15 hrs)

Other Program Prerequisites

¹ EDF 2130	Child and Adolescent Development for Educators	3 hrs
EEC 2732	Health, Safety, and Nutrition for Young Children	3 hrs

Select 1:		3 hrs
MAC 1105C	College Algebra or	3 hrs
MAE 2801	Elementary School Mathematics	4 hrs

Select 1:		3 hrs
ARE 2000	Early Childhood Art and Creativity or	3 hrs
MUE 2211	Early Childhood Music and Movement	3 hrs
Elective		3 hrs

¹ Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)

■ All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.

Semester I 15 hrs

■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to admission to the major.

EEC 3700	Social and Emotional Development of Young Children	3 hrs
EEC 4661	Early Childhood Education Theory and Practice	3 hrs
RED 3310	Early Reading, Writing and Language Arts	3 hrs
EEX 4751	Parent Involvement in Education	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

Semester II 15 hrs

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.

EEC 4604	Classroom Management and Guidance of Young Children	3 hrs
EEC 4207	Assessment and Evaluation of Young Children	3 hrs
TSL 4240	Issues in Second Language Acquisition	3 hrs
EEC 4268	Curriculum Activities in Early Childhood	3 hrs
EEX 3450	Young Children With Special Needs	3 hrs

Summer 6 hrs

■ Passing score on the Subject Area Examination (Pre-kindergarten/Primary PK-3) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship.

EEC 4303	Planning Creative Activities in Early Childhood Education	3 hrs
RED 3012	Basic Foundations of Reading	3 hrs

Semester III 12 hrs

■ Based on recommendations below, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Student Teaching (EEC 4943 Internship).

■ Students must apply and be approved for Internship. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.clinicalexperiences.education.ucf.edu>.

MAE 4300	Math Curriculum and Assessment in Early Childhood	3 hrs
SCE 4304	Teaching Science and Technology to Young Children	3 hrs
RED 4311	Primary Reading, Writing, and Language Arts Curriculum and Assessment	3 hrs
EEC 4235C	Early Childhood Education Seminar: Bridging Theory to Practice	3 hrs

Semester IV 12 hrs

■ Satisfactory completion of Internship requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

EEC 4943	Student Teaching	12 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve a minimum overall 2.75 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines.

This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Complete a TESOL notebook as required for ESOL Endorsement.

■ Pass all applicable sections of the Florida Teacher Certification Examination. See <http://www.fldoe.org> for test dates and test sites.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

■ None

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None

UCF Degree Programs

Plan of Study

■ This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall		12 hrs
EDF 2005	Introduction to the Teaching Profession	3 hrs
ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
PSY 2012	General Psychology	3 hrs

Freshman Year - Spring		15 hrs
EDF 2085	Introduction to Diversity for Educators	3 hrs
ENC 1102	Composition II	3 hrs
MAC 1105C	College Algebra	3 hrs
PSC 1121	Physical Science	3 hrs

Select 1:		3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II	3 hrs

Freshman Year - Summer		6 hrs
POS 2041	American National Government	3 hrs

Select 1:		3 hrs
ARE 2000	Early Childhood Art and Creativity or	3 hrs
MUE 2211	Early Childhood Music and Movement	3 hrs

Sophomore Year - Fall		15 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

Select 1:		3 hrs
BSC 1005	Biological Principles or	3 hrs
ANT 2511	The Human Species	3 hrs

Select 1:		3 hrs
STA 2014C	Principles of Statistics or	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
GEP B1 Elective (Prefer AMH 2010)		3 hrs

Sophomore Year - Spring		12 hrs
¹ EDF 2130	Child and Adolescent Development for Educators	3 hrs
EEC 2732	Health, Safety, and Nutrition for Young Children	3 hrs
GEP B3 Elective (Prefer AMH 2020)		3 hrs
Elective		3 hrs

¹ Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.

Sophomore Year - Summer

■ Satisfaction of the GKT is required for admission to the program and thus must be completed prior to the Junior Year. Refer to <http://www.fldoe.org> for test dates and sites.

Junior Year - Fall

■ Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE - Refer to <http://www.fldoe.org> for test dates and sites.

EEC 3700	Social and Emotional Development of Young Children	3 hrs
EEC 4661	Early Childhood Education Theory and Practice	3 hrs
RED 3310	Early Reading, Writing and Language Arts	3 hrs
EEX 4751	Parent Involvement in Education	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

Junior Year - Spring

EEC 4604	Classroom Management and Guidance of Young Children	3 hrs
EEC 4207	Assessment and Evaluation of Young Children	3 hrs
TSL 4240	Issues in Second Language Acquisition	3 hrs
EEC 4268	Curriculum Activities in Early Childhood	3 hrs
EEX 3450	Young Children With Special Needs	3 hrs

Junior Year - Summer

■ Please note: It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE prior to entering the Senior year, and the Pre-Kindergarten/Primary PK-3 Subject Area Examination portion of the FTCE prior to entry into student teaching (EEC 4943 Internship).

EEC 4303	Planning Creative Activities in Early Childhood Education	3 hrs
RED 3012	Basic Foundations of Reading	3 hrs

Senior Year - Fall

MAE 4300	Math Curriculum and Assessment in Early Childhood	3 hrs
SCE 4304	Teaching Science and Technology to Young Children	3 hrs
RED 4311	Primary Reading, Writing, and Language Arts Curriculum and Assessment	3 hrs
EEC 4235C	Early Childhood Education Seminar: Bridging Theory to Practice	3 hrs

Senior Year - Spring

EEC 4943	Student Teaching	12 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Early Childhood Development and Education Track 2: Early Childhood Development (B.S.)

**College of Education and Human Performance
School of Teaching, Learning and Leadership,
Education Complex, Room: 209**

<http://education.ucf.edu/ece/>

Email: ece@ucf.edu

Dr. Judy Levin, 122L, Judith.Levin@ucf.edu, 407-823-4615

Phone: 407-823-4615

EARLY CHILDHOOD DEVELOPMENT TRACK Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete Child Development prerequisite courses with a minimum letter grade of "C" (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements

- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by email (ece@ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a "C" (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.



1. UCF General Education Program (GEP) (36 hrs)

■ Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

General Education Program elective from section B2: 3 hrs

Prefer	REL 2300	World Religions or	3 hrs
Prefer	PHI 2010	Introduction to Philosophy or	3 hrs
Prefer	LIT 2110	World Literature I or	3 hrs
Prefer	LIT 2120	World Literature II	3 hrs
General Education Program elective from section B1 to meet Gordon Rule Requirement.			3 hrs
General Education Program elective: Prefer a second course from GEP section B1.			3 hrs

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs

Prefer	MGF 1106	Finite Mathematics or	3 hrs
Prefer	MGF 1107	Explorations in Mathematics	3 hrs

Select 1: 3 hrs

Prefer	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

D: Social Foundations (6 hrs)

Prefer	PSY 2012	General Psychology	3 hrs
Prefer	POS 2041	American National Government	3 hrs

E: Science Foundations (6 hrs)

Prefer	PSC 1121	Physical Science	3 hrs

Select 1: 3 hrs

Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2085	Introduction to Diversity for Educators	3 hrs
DEP 2004C	Developmental Psychology	3 hrs

3. Core Requirements: Basic Level (15 hrs)

MUE 2211	Early Childhood Music and Movement	3 hrs
ARE 2000	Early Childhood Art and Creativity	3 hrs
SYG 2010	Social Problems	3 hrs
EEC 2732	Health, Safety, and Nutrition for Young Children	3 hrs

Select 1: 3 hrs

EDF 2130	Child and Adolescent Development for Educators or	3 hrs
SOW 3104	Assessing I: Human Development	3 hrs

4. Core Requirements: Advanced Level (60 hrs)

■ All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) or better before registering for Practicum: Early Childhood Development. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.

Semester I 15 hrs

EEC 3700	Social and Emotional Development of Young Children	3 hrs
EEC 4661	Early Childhood Education Theory and Practice	3 hrs
RED 3310	Early Reading, Writing and Language Arts	3 hrs
EEX 4751	Parent Involvement in Education	3 hrs
LIN 3713	Language Science	3 hrs

Semester II 15 hrs

EEC 4604	Classroom Management and Guidance of Young Children	3 hrs
EEC 3613	Observation and Assessment of Young Children	3 hrs
EEC 4402	Cultural and Family Systems	3 hrs

LAE 3414	Literature for Children	3 hrs
EEX 3450	Young Children With Special Needs	3 hrs

Semester III 6 hrs

EEC 4303	Planning Creative Activities in Early Childhood Education	3 hrs
EEC 4528	Infant/Toddler Care and Education	3 hrs

Semester IV 12 hrs

PET 4050C	Motor Development and Learning	3 hrs
EEC 4414	Parent-Child Relations	3 hrs

Select Two Early Childhood Development 6 hrs

Track Electives

■ Note: Students must consult with their advisor regarding approval for other elective options.

EEC 4268	Curriculum Activities in Early Childhood or	3 hrs
EEC 4524	Organization and Management in Early Childhood or	3 hrs
EXP 3604C	Cognitive Psychology or	4 hrs
PEO 3041	Games Analysis or	3 hrs
PET 3820	Teaching Sports Skills I or	3 hrs
PET 4640	Adapted Physical Education or	3 hrs
PET 4710	Methods for Physical Activity for Children and Adolescents or	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools or	3 hrs
SOW 4650	Child Abuse: Treatment and Prevention or	3 hrs
SOW 4654	Children's Services or	3 hrs
EEC 4744	Child Life: Psychosocial Care of Children in Health Settings or	3 hrs
SOW 3104	Assessing I: Human Development	3 hrs

Semester V 12 hrs

EEC 4940	Practicum: Early Childhood Development	12 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve a minimum overall 2.75 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines.

This portfolio requires demonstration of professional growth, reflection, and proficiency.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None



UCF Degree Programs

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

■ In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

■ Students interested in a Child Life Specialist Certification should seek advising from the ECDE program faculty for electives selection.

■ Students interested in Child Life Specialist Certification: Select SOW 3104 - Assessing I: Human Development as a prerequisite course AND take EEC 4744 - Child Life: Psychosocial Care of Children in Health Settings as an elective course

Transfer Notes

■ Courses taken at Florida College System institutions may substitute for select courses in prerequisites with the permission of the department.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

■ Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall		12 hrs
EDF 2085	Introduction to Diversity for Educators	3 hrs
ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
PSY 2012	General Psychology	3 hrs

Freshman Year - Spring		15 hrs
ENC 1102	Composition II	3 hrs
SYG 2010	Social Problems	3 hrs
PSC 1121	Physical Science	3 hrs
EEC 2732	Health, Safety, and Nutrition for Young Children	3 hrs

Select 1:		3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II	3 hrs

Freshman Year - Summer		6 hrs
ARE 2000	Early Childhood Art and Creativity	3 hrs
MUE 2211	Early Childhood Music and Movement	3 hrs

Sophomore Year - Fall

■ Transfer Note: Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.

SPC 1608	Fundamentals of Oral Communication	3 hrs

Select 1:		3 hrs
BSC 1005	Biological Principles or	3 hrs
ANT 2511	The Human Species	3 hrs

Select 1:		3 hrs
STA 2014C	Principles of Statistics or	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
GEP B1 elective (Prefer AMH 2010)		3 hrs
Select Elective if needed		3 hrs

Sophomore Year - Spring

		12 hrs
EDF 2130	Child and Adolescent Development for Educators	3 hrs
DEP 2004C	Developmental Psychology	3 hrs
POS 2041	American National Government	3 hrs
GEP B3 Elective (Prefer AMH 2020)		3 hrs

Junior Year - Fall		15 hrs
EEC 3700	Social and Emotional Development of Young Children	3 hrs
EEC 4661	Early Childhood Education Theory and Practice	3 hrs
RED 3310	Early Reading, Writing and Language Arts	3 hrs
EEX 4751	Parent Involvement in Education	3 hrs
LIN 3713	Language Science	3 hrs

Junior Year - Spring		15 hrs
EEC 4604	Classroom Management and Guidance of Young Children	3 hrs
EEC 3613	Observation and Assessment of Young Children	3 hrs
LAE 3414	Literature for Children	3 hrs
EEC 4402	Cultural and Family Systems	3 hrs
EEX 3450	Young Children With Special Needs	3 hrs

Junior Year - Summer		6 hrs
EEC 4303	Planning Creative Activities in Early Childhood Education	3 hrs
EEC 4528	Infant/Toddler Care and Education	3 hrs

Senior Year - Fall		12 hrs
PET 4050C	Motor Development and Learning	3 hrs
EEC 4414	Parent-Child Relations	3 hrs
Select Two Early Childhood Development Track Electives		6 hrs

Senior Year - Spring		12 hrs
EEC 4940	Practicum: Early Childhood Development	12 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Early Childhood Development and Education Track 3: Early Childhood Careers (B.S.)

College of Education and Human Performance School of Teaching, Learning and Leadership

Dr. Dierdre Englehart, Deirdre.Englehart@ucf.edu

TRACK 3: EARLY CHILDHOOD CAREERS is an A.S. to B.S. degree program that is available to Seminole State College (SSC) students who have earned an A.S. in Early Childhood. The Early Childhood Careers Track is offered only on the Lake Mary-Sanford UCF Campus. This track provides the opportunity for SSC students to continue their professional preparation by enrolling in Track 3: Early Childhood Careers. Track 3 is restricted to students meeting UCF and the Early Childhood Careers Track Admission Requirements. Students will take a variety of courses related to early childhood careers and the roles professionals serve in furthering quality early childhood programming. Students will be prepared to work with infants, children and families in diverse early childhood settings. The program will prepare students with a solid knowledge base in the overall development of children that meets the educational requirements for staff at Head Start and Early Learning Centers. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum. NOTE: The Track 3: Early Childhood Careers in the Early Childhood Development and Education B.S. degree program does not lead to teacher certification.

Admission Requirements

- Completion of the A.S. degree in Early Childhood Education at Seminole State College
- Have a minimum 2.50 overall GPA for admission to the program. A minimum GPA of 2.75 is required in the professional and overall GPA prior to admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.
- Complete Core Requirements: Basic Level with a minimum letter grade of "C" (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.



Degree Requirements

■ Students must seek advising with the Early Childhood Careers faculty at the Lake Mary-Sanford UCF Campus prior to registering for classes.

■ The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.

■ Students must earn a "C" (2.0) or better in each required Early Childhood Development and Education course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

1. UCF General Education Program (GEP) (36 hrs)

■ Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students are advised to take the preferred courses.

■ 30 credit hours of the GEP must be completed prior to admission into Track 3: Early Childhood Careers.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

General Education Program elective from section B2: 3 hrs

Prefer	REL 2300	World Religions or	3 hrs
Prefer	PHI 2010	Introduction to Philosophy or	3 hrs
Prefer	LIT 2110	World Literature I or	3 hrs
Prefer	LIT 2120	World Literature II	3 hrs
General Education Program elective from Section B1 to meet Gordon Rule Requirement.			3 hrs
General Education Program elective: Prefer a second course from GEP section B1.			3 hrs

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs

Prefer	MGF 1106	Finite Mathematics or	3 hrs
Prefer	MGF 1107	Explorations in Mathematics	3 hrs

Select 1: 3 hrs

Prefer	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

D: Social Foundations (6 hrs)

Prefer	PSY 2012	General Psychology	3 hrs
Prefer	POS 2041	American National Government	3 hrs

E: Science Foundations (6 hrs)

Prefer	PSC 1121	Physical Science	3 hrs

Select 1: 3 hrs

Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

2. Common Program Prerequisites (CPP)

■ None

3. Core Requirements: Basic Level (18 hrs)

EDF 2085	Introduction to Diversity for Educators	3 hrs
MUE 2211	Early Childhood Music and Movement	3 hrs
ARE 2000	Early Childhood Art and Creativity	3 hrs
SYG 2010	Social Problems	3 hrs
EEC 2732	Health, Safety, and Nutrition for Young Children	3 hrs

Select 1: 3 hrs

EDF 2130	Child and Adolescent Development for Educators or	3 hrs
DEP 2004C	Developmental Psychology	3 hrs

4. Core Requirements: Advanced Level (51 hrs)

■ All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) in each upper level major course in order to pass the course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

EEC 3700	Social and Emotional Development of Young Children	3 hrs
EEC 4661	Early Childhood Education Theory and Practice	3 hrs
RED 3310	Early Reading, Writing and Language Arts	3 hrs
PET 4050C	Motor Development and Learning	3 hrs
EEC 3008	Early Childhood Children's Literature	3 hrs
EEX 3450	Young Children With Special Needs	3 hrs
EEC 3613	Observation and Assessment of Young Children	3 hrs
EEC 4402	Cultural and Family Systems	3 hrs
EEC 4303	Planning Creative Activities in Early Childhood Education	3 hrs
EEC 4528	Infant/Toddler Care and Education	3 hrs
EEC 4414	Parent-Child Relations	3 hrs
EEC 4211	Science and Math Learning for Young Children	3 hrs
EEC 4260	Early Childhood Program Evaluation	3 hrs
EEC 4314	Effective Practices for Guiding Young Children's Behavior	3 hrs
EEC 4942	Practicum: Early Childhood Careers	9 hrs

Practicum Requirement Note: Students may have the option to substitute coursework for some portion of the Practicum requirement. The substitution(s) must be approved by the student's Early Childhood Development and Education B.S. - Track 3: Early Childhood Careers Faculty Advisor.

5. Restricted Electives (9 hrs)

■ Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.

■ 3 semester hours of restricted elective credit must be 3000 level or higher and approved by program faculty advisor.

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve a minimum GPA of 2.75 for all courses within the major.

■ All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) or higher in each upper level major course in order to meet program requirements.

■ Complete a LiveText portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

UCF Degree Programs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement. The State University System requires that students complete two years of the same foreign language/ American Sign Language in high school, or two semesters (8-10 credit hours) of college level foreign language/ American Sign Language, or equivalent proficiency exam. Students admitted without meeting this requirement must meet it prior to graduation.

Transfer Notes

- Courses taken at Florida College System institutions may substitute for select courses in Core Requirements: Basic Level with the permission of the department.
- Restricted Electives: Electives must be selected with the approval of program faculty. Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.

Acceptable Substitutes for Transfer Courses

EEC 1000 substitutes for EDF 2130 or DEP 2004C

Plan of Study (60 hrs)

- Assuming general education and admission requirements for Track 3: Early Childhood Careers are complete
- Follow the recommended Plan of Study

Junior Year - Fall 15 hrs

EEC 3700	Social and Emotional Development of Young Children	3 hrs
EEC 4661	Early Childhood Education Theory and Practice	3 hrs
RED 3310	Early Reading, Writing and Language Arts	3 hrs
PET 4050C	Motor Development and Learning	3 hrs
	Restricted Elective with Advisor approval	3 hrs

Junior Year - Spring 15 hrs

EEC 3008	Early Childhood Children's Literature	3 hrs
EEX 3450	Young Children With Special Needs	3 hrs
EEC 3613	Observation and Assessment of Young Children	3 hrs
EEC 4402	Cultural and Family Systems	3 hrs
	Restricted Elective with Advisor approval	3 hrs

Junior Year - Summer 6 hrs

EEC 4303	Planning Creative Activities in Early Childhood Education	3 hrs
EEC 4528	Infant/Toddler Care and Education	3 hrs

Senior Year - Fall 12 hrs

EEC 4414	Parent-Child Relations	3 hrs
EEC 4211	Science and Math Learning for Young Children	3 hrs
EEC 4260	Early Childhood Program Evaluation	3 hrs
EEC 4314	Effective Practices for Guiding Young Children's Behavior	3 hrs

Senior Year - Spring 12 hrs

	Restricted Elective (3/4XXX level with Advisor approval)	3 hrs
EEC 4942	Practicum: Early Childhood Careers	9 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Economics (B.A.)

College of Business Administration

Department of Economics,

Business Administration II, Room: 305

<http://www.bus.ucf.edu/economics>

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405

Nora Underwood, BA2 302N, 407-823-1403

David Scrogin, BA2 302U, 407-823-4129

Phone: 407-823-3266

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education. Flexibility to select from a variety of courses allows students to customize their education to their personal interests and career goals. These courses can be coupled with a minor from many different Colleges to create a unique program for each student. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics. Not eligible for a double degree with the BSBA in Economics.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.
- General Education Program and Common Program Prerequisite courses are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required	STA 2023	Statistical Methods I	3 hrs
Prefer	MAC 1105C	College Algebra	3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs

Suggested	ECO 2013	Principles of Macroeconomics	3 hrs
		or	
Suggested	ECO 2023	Principles of Microeconomics	3 hrs

Select 1: 3 hrs

Suggested	ANT 2000	General Anthropology or	3 hrs
Suggested	PSY 2012	General Psychology or	3 hrs
Suggested	SYG 2000	Introduction to Sociology	3 hrs



E: Science Foundations (6 hrs)**2. Common Program Prerequisites (CPP) (3 hrs)**

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ECO 2013	Principles of Macroeconomics	GEP
ECO 2023	Principles of Microeconomics	3 hrs

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (12 hrs)

ECO 3101	Intermediate Microeconomics	3 hrs
ECO 3203	Intermediate Macroeconomics	3 hrs

Select one of the following sequences of courses:

ECO 3401	Quantitative Business Tools I	3 hrs

or

MAC 2233	Concepts of Calculus and	3 hrs
STA 2023	Statistical Methods I	3 hrs

Students must receive a "C" (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401

Select one of the following sequences of courses:

ECO 3411	Quantitative Business Tools II	4 hrs

or

STA 4163	Statistical Methods II	3 hrs

or

STA 4321	Statistical Theory I	3 hrs

5. Restricted Electives (27 hrs)

■ All B.A. Economics majors will be required to take a minimum of nine (9) electives by choosing from the following

ECO 3223	Money and Banking	3 hrs
ECO 3410	Mathematical Economics	3 hrs
ECO 3703	International Microeconomics	3 hrs
ECO 4303	History of Economic Thought	3 hrs
ECO 4412	Econometrics	3 hrs
ECO 4504	Public Economics	3 hrs
ECO 4713	International Macroeconomics	3 hrs
ECO 4751	Law and Economics	3 hrs
ECO 4934	Topics in Econometrics	3 hrs
ECP 3004	Seminar on Current Economic Topics	3 hrs
ECP 3203	Labor Economics	3 hrs
ECP 4303	Environmental and Natural Resource Economics	3 hrs
ECP 4403	Industrial Organization and Game Theory	3 hrs
ECS 4013	Development Economics	3 hrs
ECP 4530	Health Economics	3 hrs

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended

ECO 3410	Mathematical Economics	3 hrs
ECO 4412	Econometrics	3 hrs
ECP 4403	Industrial Organization and Game Theory	3 hrs
ECO 4934	Topics in Econometrics	3 hrs

6. Capstone Requirements (1 hr)

ECO 4902	Capstone in Economics	1 hr

7. Foreign Language Requirements**Admissions**

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Students majoring in Economics must earn a grade of "C" (2.0) or better in each ECO, ECP, and ECS course and in every course applied towards the major as well as a 2.0 overall average in the major.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ Economics, Business

Certificates

■ None

Related Minors

- Computer Science
- Legal Studies
- Mathematics
- Political Science
- Psychology
- Sociology
- Statistics

Advising Notes

■ None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Only grades of "C" (2.0) or better transfer into the program and students must have a "C" or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study**Freshman Year - Fall 15 hrs**

ENC 1101	Composition I	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
MAC 1105C	College Algebra	3 hrs
Free Elective		3 hrs
Cultural History		3 hrs

Freshman Year - Spring 15 hrs

¹ ECO 2023	Principles of Microeconomics	3 hrs
¹ ENC 1102	Composition II	3 hrs
¹ STA 2023	Statistical Methods I	3 hrs
Cultural History 2		3 hrs
Art, Music, or Lit		3 hrs

¹ "C" (2.0) or better grade required in each class

Sophomore Year - Fall 16 hrs

¹ ECO 2013	Principles of Macroeconomics	3 hrs
² ECO 3401	Quantitative Business Tools I	3 hrs
Foreign Language		4 hrs
Science Elective		3 hrs
Free Elective		3 hrs

¹ "C" (2.0) or better grade required in each class

² (if no prior Calculus)



UCF Degree Programs

Sophomore Year - Spring	16 hrs
ECO 3101 Intermediate Microeconomics	3 hrs
Foreign Language	4 hrs
PSY/ANT/SOC	3 hrs
Science Elective	3 hrs
Free Elective	3 hrs

Junior Year - Fall	16 hrs
ECO 3203 Intermediate Macroeconomics	3 hrs
¹ ECO 3411 Quantitative Business Tools II	4 hrs
ECO Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

¹ (or STA 4163 or STA4321)

Junior Year - Spring	15 hrs
ECO Elective	3 hrs
ECO Elective	3 hrs
ECO Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

Senior Year - Fall	15 hrs
ECO Elective	3 hrs
ECO Elective	3 hrs
ECO Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

Senior Year - Spring	13 hrs
ECO Elective	3 hrs
ECO Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs
ECO 4902 Capstone in Economics	1 hr

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$15 per term
- Full-Time Student: \$30 per term

Economics, Business (B.S.B.A.)

College of Business Administration

Department of Economics,

Business Administration II, Room: 305

<http://www.bus.ucf.edu/economics>

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
 David Scrogin, BA2 302U, 407-823-4129
 Nora Underwood, BA2 302N, 407-823-1403
 Phone: 407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.

Admission Requirements

- See Common Program Prerequisites
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.

Degree Requirements

- Not eligible for a double degree with another College of Business Administration major or a BA in Economics

■ Students in the Business Economics major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Economics courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Economics courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Economics courses in the subsequent term, that student will be dropped as a Business Economics major. A student who is dropped may seek re-admittance as a Business Economics major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Economics GPA of 2.0 or higher. Readmission is not automatic.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations	(9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required CGS 2100C Computer Fundamentals for Business	3 hrs
Prefer MAC 1105C College Algebra	3 hrs

D: Social Foundations (6 hrs)

Select 1: (3 hrs)

Suggested ECO 2013 Principles of Macroeconomics	3 hrs
or	
Suggested ECO 2023 Principles of Microeconomics	3 hrs

Select 1: (3 hrs)

Suggested ANT 2000 General Anthropology or	3 hrs
Suggested PSY 2012 General Psychology or	3 hrs
Suggested SYG 2000 Introduction to Sociology	3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (21 hrs)

- Must be completed with a "C" (2.0) or better.

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ACG 2021 Principles of Financial Accounting	3 hrs
ACG 2071 Principles of Managerial Accounting	3 hrs
CGS 2100C Computer Fundamentals for Business	3 hrs
ECO 2013 Principles of Macroeconomics	3 hrs
ECO 2023 Principles of Microeconomics	3 hrs

Select one of the following sequences of courses:

- Students must receive a "C" (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401.

ECO 3401 Quantitative Business Tools I	3 hrs

or

¹ MAC 2233 Concepts of Calculus and	3 hrs
STA 2023 Statistical Methods I	3 hrs

¹ or any Calculus 1 & 2 sequence

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (38 hrs)

BUL 3130 Legal and Ethical Environment of Business	4 hrs
ECO 3411 Quantitative Business Tools II	4 hrs
FIN 3403C Business Finance	4 hrs
¹ GEB 3031 Cornerstone: Professional Skills for Business	3 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business	1 hr
GEB 3375 Introduction to International Business	4 hrs
MAN 3025 Management of Organizations	4 hrs
MAR 3023 Marketing	4 hrs
MAR 3203 Supply Chain and Operations Management	4 hrs

¹ Must be taken in 1st or 2nd semester.

Required Major Courses (6 hrs)

ECO 3101 Intermediate Microeconomics	3 hrs
ECO 3203 Intermediate Macroeconomics	3 hrs



5. Restricted Electives (18 hrs)

- All B.S.B.A. economics majors will be required to take

six (6) electives by choosing from the following:

ECO 3223	Money and Banking	3 hrs
ECO 3410	Mathematical Economics	3 hrs
ECO 3703	International Microeconomics	3 hrs
ECO 4303	History of Economic Thought	3 hrs
ECO 4412	Econometrics	3 hrs
ECO 4504	Public Economics	3 hrs
ECO 4713	International Macroeconomics	3 hrs
ECO 4751	Law and Economics	3 hrs
ECP 3004	Seminar on Current Economic Topics	3 hrs
ECP 3203	Labor Economics	3 hrs
ECP 4303	Environmental and Natural Resource Economics	3 hrs
ECP 4403	Industrial Organization and Game Theory	3 hrs
ECS 4013	Development Economics	3 hrs
ECO 4934	Topics in Econometrics	3 hrs
ECP 4530	Health Economics	3 hrs

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended

ECO 3410	Mathematical Economics	3 hrs
ECO 4412	Econometrics	3 hrs
ECP 4403	Industrial Organization and Game Theory	3 hrs
ECO 4934	Topics in Econometrics	3 hrs

6. Capstone Requirements (5 hrs)

ECO 4902	Capstone in Economics	1 hr
¹ MAN 4720	Strategic Management	4 hrs

¹ This course is taken in the graduating term and requires the following prerequisites: FIN 3403C, GEB 3031, GEB 3031L, MAN 3025, MAR 3023

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Variable

9. Additional Requirements

- Special College and/or Departmental Requirements
- Must complete all Gordon Rule requirements prior to admission to this degree.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Final exams will be given during Exam Week.
- Students must have at least a 2.0 GPA in the COB and major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students majoring in Business Economics must earn a grade of "C" (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Economics

Certificates

- None

Related Minors

- None

Advising Notes

- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses

- ACG 2021- Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study

- Business Economics

Freshman Year - Fall 15 hrs

¹ ENC 1101	Composition I	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
MAC 1105C	College Algebra	3 hrs
Cultural History		3 hrs
Free Elective		3 hrs

¹ "C" (2.0) or better grade required in each class

Freshman Year - Spring 15 hrs

¹ ECO 2023	Principles of Microeconomics	3 hrs
¹ ENC 1102	Composition II	3 hrs
¹ CGS 2100C	Computer Fundamentals for Business	3 hrs
Cultural History 2		3 hrs
Art, Music, or Literature		3 hrs

¹ "C" (2.0) or better grade required in each class

Sophomore Year - Fall 15 hrs

¹ ECO 2013	Principles of Macroeconomics	3 hrs
² ECO 3401	Quantitative Business Tools I	3 hrs
ACG 2021	Principles of Financial Accounting	3 hrs
Free Elective		3 hrs
Science		3 hrs

¹ "C" (2.0) or better grade required in each class

² (if no Calculus & Statistics) "C" (2.0) or better grade required in each class

UCF Degree Programs

Sophomore Year - Spring			15 hrs
ECO 3101	Intermediate Microeconomics		3 hrs
¹ ACG 2071	Principles of Managerial Accounting		3 hrs
Science			3 hrs
Free Elective			3 hrs
PSY/ANT/SOC			3 hrs

¹ "C" (2.0) or better grade required in each class

Junior Year - Fall			15 hrs
ECO 3203	Intermediate Macroeconomics		3 hrs
ECO 3411	Quantitative Business Tools II		4 hrs
MAR 3023	Marketing		4 hrs
GEB 3031	Cornerstone: Professional Skills for Business		3 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business		1 hr

Junior Year - Spring			15 hrs
GEB 3375	Introduction to International Business		4 hrs
MAN 3025	Management of Organizations		4 hrs
FIN 3403C	Business Finance		4 hrs
Economics Elective			3 hrs

Senior Year - Fall			16 hrs
MAR 3203	Supply Chain and Operations Management		4 hrs
Economics Elective			3 hrs
Economics Elective			3 hrs
Economics Elective			3 hrs
Free Elective			3 hrs

Senior Year - Spring			15 hrs
MAN 4720	Strategic Management		4 hrs
BUL 3130	Legal and Ethical Environment of Business		4 hrs
ECO 4902	Capstone in Economics		1 hr
Economics Elective			3 hrs
Economics Elective			3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Electrical Engineering (B.S.E.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,
Room: 346

<http://www.eecs.ucf.edu>

Email: undergraduate@eecs.ucf.edu

Dr. Samuel Richie
 Charlese Hilton-Brown
 Phone: 407-823-3327

Admission Requirements

■ Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

■ Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements

■ None

1. UCF General Education Program (GEP) (38 hrs)

■ The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations			(9 hrs)
Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

Select 1:			3 hrs
Prefer	SPC 1603C	Fundamentals of Technical Presentations or	3 hrs
Suggested	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations			(9 hrs)
Select two courses from Historical Foundations			6 hrs
Select one class from Cultural Foundations			3 hrs

C: Mathematical Foundations			(7 hrs)
Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs
Required	STA 3032	Probability and Statistics for Engineers	3 hrs

D: Social Foundations			(6 hrs)
Select 1:			3 hrs
Prefer	ECO 2013	Principles of Macroeconomics or	3 hrs
Prefer	ECO 2023	Principles of Microeconomics	3 hrs
Select one class from Social Foundations			3 hrs

E: Science Foundations			(7 hrs)
Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Select one course from Science Foundations			3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

¹ MAC 2311C	Calculus with Analytic Geometry I	GEP
¹ MAC 2312	Calculus with Analytic Geometry II	4 hrs
¹ MAC 2313	Calculus with Analytic Geometry III	4 hrs
¹ PHY 2048C	Physics for Engineers & Scientists I	GEP
¹ PHY 2049C	Physics for Engineers and Scientists II	4 hrs
¹ MAP 2302	Ordinary Differential Equations I	3 hrs

Select 1:			4 hrs
² CHS 1440	Fundamentals of Chemistry for Engineers		4 hrs
	or		
CHM 2045C	Chemistry Fundamentals I		4 hrs

¹ A "C" (2.0) or better is required in this course.

² Preferred

3. Core Requirements: Basic Level (2 hrs)

■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

4. Core Requirements: Advanced Level (53 hrs)

Courses Required for the Engineering Core			9 hrs
EGN 3310	Engineering Analysis-Statics		3 hrs
STA 3032	Probability and Statistics for Engineers	GEP	
PHY 3101	Physics for Engineers and Scientists III		3 hrs

Select 1:		3 hrs
EGN 3321	Engineering Analysis-Dynamics or	3 hrs
EGN 3358	Thermo-Fluids-Heat Transfer	3 hrs

Courses Required for the Major		44 hrs
EEL 3004C	Electrical Networks	3 hrs
EEL 3123C	Networks and Systems	4 hrs
EEE 3350	Semiconductor Devices I	3 hrs
EEE 3307C	Electronics I	4 hrs
EEE 3342C	Digital Systems	3 hrs
EEL 3470	Electromagnetic Fields	3 hrs



EEL 3552C	Analog and Digital Communication Fundamentals	4 hrs
EEL 3657	Linear Control Systems	3 hrs
EEL 3801C	Computer Organization	3 hrs
EEE 4309C	Electronics II	4 hrs
EEL 4750	Digital Signal Processing Fundamentals	3 hrs
EEL 4742C	Embedded Systems	4 hrs
EGN 3211	Engineering Analysis and Computation	3 hrs

5. Restricted Electives (10 hrs)

■ Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communication, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives 10 hrs

■ Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements (6 hrs)

■ EEL 4914 and EEL 4915L

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ Electrical engineering students must earn at least 32 hours in residence at UCF.

■ 24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the EECS Department at UCF and applicable to the degree program.

10. Required Minors

■ None

11. Departmental Exit Requirements

■ CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 128

Honors In Major

■ None

Related Programs

■ Computer Engineering

■ Computer Science

■ Mathematics - Engineering/Physics Track

■ Physics

Certificates

■ None

Related Minors

■ Engineering Leadership

■ Intelligent Robotic Systems (IRS) - Interdisciplinary

■ Mathematics

■ Physics

Advising Notes

■ Each engineering student should meet with their academic advisor in the department of their major regularly.

■ Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

■ The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

■ Students are assumed knowledge of a higher level programming language (C preferred).

Transfer Notes

■ Courses taken from Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.

■ Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

■ EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

Freshman Year - Fall 15 hrs

EGN 1006C	Introduction to the Engineering Profession	1 hr
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
GEP- Historical Foundation		3 hrs

Select 1 3 hrs

¹ SPC 1603C	Fundamentals of Technical Presentations or	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

Select 1: 4 hrs

CHS 1440	Fundamentals of Chemistry for Engineers or	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs

¹ Preferred

Freshman Year - Spring 15 hrs

EGN 1007C	Engineering Concepts and Methods	1 hr
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
ENC 1101	Composition I	3 hrs

Select 1: 3 hrs

ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Sophomore Year - Fall 14 hrs

ENC 1102	Composition II	3 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs

Sophomore Year - Spring 15 hrs

PHY 3101	Physics for Engineers and Scientists III	3 hrs
EEL 3004C	Electrical Networks	3 hrs
MAP 2302	Ordinary Differential Equations I	3 hrs
EEE 3342C	Digital Systems	3 hrs
GEP- Cultural Foundation		3 hrs

Sophomore Year - Summer 10 hrs

EGN 3211	Engineering Analysis and Computation	3 hrs
EEL 3123C	Networks and Systems	4 hrs
GEP- Social Foundation		3 hrs

Junior Year - Fall 13 hrs

EEE 3350	Semiconductor Devices I	3 hrs
EEL 3552C	Analog and Digital Communication Fundamentals	4 hrs
EEL 3801C	Computer Organization	3 hrs
GEP- Science Foundation		3 hrs



UCF Degree Programs

Junior Year - Spring		17 hrs
EEE 3307C	Electronics I	4 hrs
EEL 3657	Linear Control Systems	3 hrs
EEL 4742C	Embedded Systems	4 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs

Select 1:		3 hrs
EGN 3321	Engineering Analysis-Dynamics or	3 hrs
EGN 3358	Thermo-Fluids-Heat Transfer	3 hrs

Senior Year - Fall		16 hrs
EEL 4750	Digital Signal Processing Fundamentals	3 hrs
EEL 3470	Electromagnetic Fields	3 hrs
EEL 4914	Senior Design I	3 hrs
Approved Technical Elective		4 hrs
GEP-Historical Foundation		3 hrs

Senior Year - Spring		13 hrs
EEL 4915L	Senior Design II	3 hrs
EEE 4309C	Electronics II	4 hrs
Approved Technical Elective		3 hrs
Approved Technical Elective		3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$30 per term
- Full-Time Student: \$60 per term

Elementary Education (B.S.)

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Complex, Room: 209

<http://education.ucf.edu/element/>

Dr. Karri Williams, Karri.Williams@ucf.edu

Dr. Robert Everett, ED 122R, Robert.Everett@ucf.edu, 407-823-5788

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)

- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs

Select 1:			3 hrs
Prefer	ARH 2050	History of Western Art I or	3 hrs
Prefer	ARH 2051	History of Western Art II or	3 hrs
Prefer	MUL 2010	Enjoyment of Music	3 hrs

C: Mathematical Foundations (6 hrs)

Select 1:			3 hrs
Suggested	MAC 1105C	College Algebra or	3 hrs
Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

Select 1: (3 hrs)

Prefer	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

E: Science Foundations (6 hrs)

Prefer	PSC 1121	Physical Science	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
¹ EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

¹ In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (15 hrs)

Other Program Requirements (8 hrs)

¹ EDF 2130	Child and Adolescent Development for Educators	3 hrs
² MAE 2801	Elementary School Mathematics	4 hrs
³ PET 2081	Wellness, Children and Schools	1 hr

¹ Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

² MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

³ Courses taken at a Florida College System institution may substitute for select courses in Other Program Requirements with the permission of the department.

Lower Division Electives (7 hrs)

- Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination: * MAC 1105 or MGF 1106 (if not taken for the General Education Program) * One associated science lab (BSC 1005L or PSC 1121L)* A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

4. Core Requirements: Advanced Level (60 hrs)

- The following recommended sequence of required upper division courses may vary at regional campus locations.

Semester I (15 hrs)

¹ EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
LAE 3414	Literature for Children	3 hrs
¹ RED 3012	Basic Foundations of Reading	3 hrs
¹ TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

¹ Required prior to Internship I

Semester II (15 hrs)

SCE 3310	Teaching Science in Elementary School	3 hrs
SSE 3312	Teaching Social Science in the Elementary School	3 hrs
LAE 4314	Language Arts in the Elementary School	3 hrs



¹ RED 4519	Diagnostic and Corrective Reading Strategies	3 hrs
EEX 4070	Teaching Exceptional Students	3 hrs

¹ Required prior to Internship I

Summer		6 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
TSL 4240	Issues in Second Language Acquisition	3 hrs

Semester III (Internship I Block) 12 hrs

■ Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicaexp/Prerequisites> for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801

RED 4942	Practicum for Assessment and Instruction of Reading	3 hrs
MAE 4326	How Children Learn Mathematics	3 hrs
¹ EDE 3942	Internship I	3 hrs
EDE 4223	Integrated Arts and Movement in the Elementary School	3 hrs

¹ RED 4942, MAE 4326, and EDE 4943 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

Semester IV (Internship II) 12 hrs

■ Passing score on the Subject Area Examination (Elementary Education K-6) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

■ All methods/specialization/foundations courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicaexp/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

EDE 4943	Internship II (Elementary)	12 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve a minimum overall 2.5 GPA within the major.

■ Complete a portfolio according to program guidelines.

This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Complete a TESOL notebook as required for ESOL Endorsement.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

■ None

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

■ This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall		12 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
ENC 1101	Composition I	3 hrs
ARH 2050	History of Western Art I	3 hrs
MAC 1105C	College Algebra	3 hrs

Freshman Year - Spring		13 hrs
¹ EDF 2130	Child and Adolescent Development for Educators	3 hrs
ENC 1102	Composition II	3 hrs
PSY 2012	General Psychology	3 hrs
PSC 1121	Physical Science	3 hrs
PSC 1121L	Physical Science Lab	1 hr

¹ Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Freshman Year - Summer		6 hrs
MGF 1106	Finite Mathematics	3 hrs
POS 2041	American National Government	3 hrs

Sophomore Year - Fall		15 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs
BSC 1005	Biological Principles	3 hrs
EDF 2005	Introduction to the Teaching Profession	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
MUL 2010	Enjoyment of Music	3 hrs

UCF Degree Programs

Sophomore Year - Spring			14 hrs
AMH 2020	U.S. History: 1877-Present		3 hrs
MAE 2801	Elementary School Mathematics		4 hrs
STA 2014C	Principles of Statistics		3 hrs
EDF 2085	Introduction to Diversity for Educators		3 hrs
¹ PET 2081	Wellness, Children and Schools		1 hr

¹ Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Fall			15 hrs
EDG 4410	Teaching Strategies and Classroom Management		3 hrs
EDF 4467	Learning Theory and Assessment		3 hrs
LAE 3414	Literature for Children		3 hrs
RED 3012	Basic Foundations of Reading		3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools		3 hrs

Junior Year - Spring			15 hrs
RED 4519	Diagnostic and Corrective Reading Strategies		3 hrs
SCE 3310	Teaching Science in Elementary School		3 hrs
SSE 3312	Teaching Social Science in the Elementary School		3 hrs
LAE 4314	Language Arts in the Elementary School		3 hrs
EEX 4070	Teaching Exceptional Students		3 hrs

Junior Year - Summer			6 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools		3 hrs
TSL 4240	Issues in Second Language Acquisition		3 hrs

Senior Year - Fall			12 hrs
MAE 4326	How Children Learn Mathematics		3 hrs
RED 4942	Practicum for Assessment and Instruction of Reading		3 hrs
EDE 3942	Internship I		3 hrs
EDE 4223	Integrated Arts and Movement in the Elementary School		3 hrs

Senior Year - Spring			12 hrs
EDE 4943	Internship II (Elementary)		12 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$6 per term
- Full-Time Student: \$12 per term

English - Creative Writing (B.A.)

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.ucf.edu>

Email: english@ucf.edu

Dr. Patrick Murphy

Phone: 407-823-5596

Admission Requirements

- none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students must earn at least a "C" (2.0) in each required course
- Co-op or internship credit cannot be used in the major without prior approval from the department
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations

Prefer	LIT 2110	World Literature I	3 hrs
Prefer	LIT 2120	World Literature II	3 hrs
Select one class from 1.B.1 list			3 hrs

C: Mathematical Foundations

Math: 3 hrs

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs
or			

You may substitute a higher level math with appropriate scores on the Math Placement Exam

Statistics - Computers 3 hrs

Select a course from GEP C.2 list

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (6 hrs)

¹ ENC 1101	Composition I	GEP
ENC 1102	Composition II	GEP

¹ See Transfer Notes for possible substitutions. See "Common Prerequisites" in the Transfer and Transition Services section for more information.

3. Core Requirements: Basic Level (9 hrs)

CRW 3013	Creative Writing for English Majors	3 hrs
¹ ENG 3014	Theories and Techniques of Literature Study	3 hrs
CRW 3053	Theory & Practice of Creative Writing	3 hrs

¹ This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (12 hrs)

■ Literary History Requirement

- Choose four courses total from these two groupings

Select at least one of these pre-1865 literature courses.

- Note: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.

Select 1: 3 hrs

AML 3031	American Literature I or	3 hrs
AML 3613	Narratives of Slavery or	3 hrs
AML 4304	Whitman and His Heirs or	3 hrs
ENL 2012	English Literature I or	3 hrs
ENL 4220	English Renaissance Poetry and Prose or	3 hrs
ENL 4230	18th Century Studies or	3 hrs
ENL 4240	English Romantic Writers or	3 hrs
ENL 4311	Chaucer or	3 hrs
ENL 4333	Shakespeare Studies or	3 hrs
ENL 4341	Milton and His Age or	3 hrs
AML 3286	Early American Women's Words or	3 hrs
AML 3640	Native American Literature or	3 hrs
LIT 4374	Literature of the Bible or	3 hrs
ENL 3296	Gothic Literature	3 hrs

Select at least one of these post-1865 literature courses.

Select 1: 3 hrs

- Each semester, additional courses may satisfy this requirement. Check with an advisor for details.

AML 3041	American Literature II or	3 hrs
AML 3283	Contemporary American Women's Fiction or	3 hrs
AML 3614	Topics in African-American Literature or	3 hrs
AML 3615	Harlem, Haiti, and Havana or	3 hrs
AML 3643	Contemporary Native American Prose and Poetry or	3 hrs
AML 4101	American Novel or	3 hrs
AML 4153	American Poetry at Mid-Century or	3 hrs
AML 4155	Modern American Poetry or	3 hrs
AML 4261	Literature of the South or	3 hrs



AML 4265	Florida Writers or	3 hrs
AML 4321	Modern American Literature or	3 hrs
AML 4630	Latino/Latina Literature or	3 hrs
ENL 2022	English Literature II or	3 hrs
ENL 4101	English Novel or	3 hrs
ENL 4253	The Victorian Age: Poetry or	3 hrs
ENL 4262	Nineteenth Century British Prose or	3 hrs
ENL 4273	Modern British Literature or	3 hrs
LIT 3082	Continental European Fiction Since 1900 or	3 hrs
LIT 3192	Caribbean Literature or	3 hrs
LIT 4043	Modern Drama As Literature or	3 hrs
LIT 4184	Irish Literature or	3 hrs
LIT 4303	Post-World War II Fiction or	3 hrs
LIT 3823	Hispanic Women Writers	3 hrs

5. Restricted Electives (15 hrs)

■ Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.

a. Choose two of the following: 6 hrs

Select 2: 6 hrs

CRW 3120	Fiction Writing Workshop or	3 hrs
CRW 3211	Creative Nonfiction Writing or	3 hrs
CRW 3310	Poetry Writing Workshop or	3 hrs
CRW 3610	Writing Scripts	3 hrs

b. Choose two of the following: 6 hrs

Select 2: 6 hrs

CRW 4122	Advanced Fiction Writing Workshop or	3 hrs
¹ CRW 4224	Advanced Nonfiction Workshop or	3 hrs
CRW 4320	Advanced Poetry Writing Workshop or	3 hrs
CRW 4616	Advanced Scriptwriting Workshop	3 hrs

¹ May take ENC 4360 Nature Writing instead of CRW 4224 but not both.

c. Choose one of the following: 3 hrs

Select 1: 3 hrs

CRW 3311	Structure of Verse or	3 hrs
CRW 3540	Literary Magazines or	3 hrs
CRW 4114	History of Prose Style or	3 hrs
CRW 4724	The Florida Review or	3 hrs
CRW 4014	The Writing Life or	3 hrs
CRW 4722	Editing for Creative Writers or	3 hrs
	any other CRW elective or Special Topics course	3 hrs

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement

Graduation

■ Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives

■ Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Maintain a minimum GPA of 2.0 in upper division required courses

■ Computer Competency met by completion of CRW 3013

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major (9 hrs)

■ Application and admission through the English Honors Committee and the Honors College.

■ Fulfill University requirements for Honors in the Major.

■ Grade of "B" (3.0) or better in an English graduate or undergraduate course or in a graduate or undergraduate course outside the major that relates to thesis with approval (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).

■ Successful completion and oral defense of Honors thesis.

Related Programs

■ English - Technical Communication

■ English - Literature

Certificates

■ None

Related Minors

■ Linguistics

■ English - Technical Communication

■ Writing and Rhetoric

■ English - Literature

Advising Notes

■ None

Transfer Notes

■ Lower division courses do not substitute for upper division courses.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

■ One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 15 hrs

ENC 1101	Composition I	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
POS 2041	American National Government	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

Freshman Year - Spring

ENC 1102	Composition II	3 hrs
CHM 1020	Concepts in Chemistry	3 hrs
LIT 2110	World Literature I	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs

Sophomore Year - Fall 15 hrs

LIT 2120	World Literature II	3 hrs
PSY 2012	General Psychology	3 hrs
SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs

Civilization II	
1 Restricted Elective	3 hrs
BSC 1005 Biological Principles	3 hrs

¹ Check restrictions

Sophomore Year - Spring 15 hrs

CRW 3013	Creative Writing for English Majors	3 hrs
AML 3031	American Literature I	3 hrs
ENL 2012	English Literature I	3 hrs
SPN 2200	Intermediate Spanish Language and Civilization I	3 hrs
CRW 3053	Theory & Practice of Creative Writing	3 hrs

UCF Degree Programs

Junior Year - Fall			15 hrs
ENG 3014	Theories and Techniques of Literature Study		3 hrs
AML 3041	American Literature II		3 hrs
CRW 3211	Creative Nonfiction Writing		3 hrs
Restricted Elective			3 hrs
Restricted Elective			3 hrs

Junior Year - Spring			15 hrs
ENL 2022	English Literature II		3 hrs
CRW 3120	Fiction Writing Workshop		3 hrs
CRW 4224	Advanced Nonfiction Workshop		3 hrs
Restricted Elective			3 hrs
Restricted Elective			3 hrs

Senior Year - Fall			12 hrs
LIN 4105	History of the English Language		3 hrs
CRW 4122	Advanced Fiction Writing Workshop		3 hrs
Restricted Elective			3 hrs
Restricted Elective			3 hrs

Senior Year - Spring			12 hrs
CRW 3610	Writing Scripts		3 hrs
Restricted Elective			3 hrs
Restricted Elective			3 hrs
Restricted Elective			3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

English - Literature (B.A.)

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.ucf.edu>

Email: english@ucf.edu

Dr. Patrick Murphy

Phone: 407-823-5596

Admission Requirements

■ None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations

Prefer	LIT 2110	World Literature I	3 hrs
Prefer	LIT 2120	World Literature II	3 hrs
Select one class from 1.B.1 list			3 hrs

C: Mathematical Foundations

Math:			3 hrs
Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics or	3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers			3 hrs
Select a course from GEP C.2 list			3 hrs

D: Social Foundations			(6 hrs)
E: Science Foundations			(6 hrs)

2. Common Program Prerequisites (CPP)

¹ ENC 1101	Composition I	GEP
¹ ENC 1102	Composition II	GEP

¹ See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)

¹ ENG 3014	Theories and Techniques of Literature Study	3 hrs

Choose one gateway course 3 hrs

CRW 3013	Creative Writing for English Majors or	3 hrs
ENC 3241	Writing for the Technical Professional or	3 hrs
CRW 3053	Theory & Practice of Creative Writing	3 hrs

¹ Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (15 hrs)

■ Literary History Requirement

■ Choose five courses from the two groupings

Select at least two pre-1865 literature courses 6 hrs

■ Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs

AML 3031	American Literature I or	3 hrs
AML 3613	Narratives of Slavery or	3 hrs
AML 4304	Whitman and His Heirs or	3 hrs
ENL 2012	English Literature I or	3 hrs
ENL 4220	English Renaissance Poetry and Prose or	3 hrs
ENL 4230	18th Century Studies or	3 hrs
ENL 4240	English Romantic Writers or	3 hrs
LIT 4374	Literature of the Bible or	3 hrs
AML 3286	Early American Women's Words or	3 hrs
AML 3640	Native American Literature or	3 hrs
ENL 3296	Gothic Literature	3 hrs

Select at least two post-1865 literature courses 6 hrs

■ Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs

AML 3041	American Literature II or	3 hrs
AML 3283	Contemporary American Women's Fiction or	3 hrs
AML 3614	Topics in African-American Literature or	3 hrs
AML 3615	Harlem, Haiti, and Havana or	3 hrs
AML 3643	Contemporary Native American Prose and Poetry or	3 hrs
AML 4101	American Novel or	3 hrs
AML 4153	American Poetry at Mid-Century or	3 hrs
AML 4155	Modern American Poetry or	3 hrs
AML 4261	Literature of the South or	3 hrs
AML 4265	Florida Writers or	3 hrs
AML 4321	Modern American Literature or	3 hrs
AML 4630	Latino/Latina Literature or	3 hrs
ENL 2022	English Literature II or	3 hrs
ENL 4101	English Novel or	3 hrs
ENL 4253	The Victorian Age: Poetry or	3 hrs
ENL 4262	Nineteenth Century British Prose or	3 hrs
ENL 4273	Modern British Literature or	3 hrs
LIT 3082	Continental European Fiction Since 1900 or	3 hrs
LIT 3192	Caribbean Literature or	3 hrs
LIT 4043	Modern Drama As Literature or	3 hrs
LIT 4184	Irish Literature or	3 hrs
LIT 4303	Post-World War II Fiction or	3 hrs
LIT 3823	Hispanic Women Writers	3 hrs

5. Restricted Electives (15 hrs)

■ Upper Division Requirements

Choose one single author or major author course: 3 hrs

Select 1: 3 hrs

AML 4300	Major American Authors or	3 hrs
ENL 4311	Chaucer or	3 hrs
ENL 4341	Milton and His Age or	3 hrs
ENL 4333	Shakespeare Studies or	3 hrs
ENL 4303	British Authors or	3 hrs
LIT 4244	World Authors	3 hrs



Choose one linguistics or theory course: 3 hrs

Select 1: 3 hrs

ENG 3010	Practical Criticism or	3 hrs
LIN 3010	Principles of Linguistics or	3 hrs
LIN 4105	History of the English Language or	3 hrs
LIN 4643	Cross Cultural Communication or	3 hrs
LIN 4660	Linguistics and Literature or	3 hrs
LIN 4680	Modern English Grammar or	3 hrs
LIT 4554	Advanced Feminist Theories	3 hrs

Three additional upper level courses 9 hrs

- AML, ENL, LIT or ENG prefix

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

■ Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives

■ Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

■ Maintain a minimum GPA of 2.0 in upper division required courses.

■ Computer Competency met by completion of ENG 3014.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major (9 hrs)

- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of "B" (3.0) or better in an English graduate or undergraduate level course or in a graduate or undergraduate level course outside the major that relates to thesis with approval (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

Related Programs

- English - Creative Writing
- English - Technical Communication

Certificates

- None

Related Minors

- English - Creative Writing
- English - Linguistics
- English - Technical Communication
- Writing and Rhetoric

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 15 hrs

ENC 1101	Composition I	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
POS 2041	American National Government	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

Freshman Year - Spring 16 hrs

CHM 1020	Concepts in Chemistry	3 hrs
ENC 1102	Composition II	3 hrs
LIT 2110	World Literature I	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
¹ SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs

¹ Any language course at this level is acceptable.

Sophomore Year - Fall 16 hrs

BSC 1005	Biological Principles	3 hrs
LIT 2120	World Literature II	3 hrs
PSY 2012	General Psychology	3 hrs
Restricted Elective		3 hrs
¹ SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs

¹ Any language course at this level is acceptable.

Sophomore Year - Spring 15 hrs

ENG 3014	Theories and Techniques of Literature Study	3 hrs
AML 3031	American Literature I	3 hrs
AML 3041	American Literature II	3 hrs
Restricted Elective		3 hrs
¹ SPN 2200	Intermediate Spanish Language and Civilization I	3 hrs

¹ Third semester of language can be replaced with a diversity course. See department advisor for list of approved courses.

Junior Year - Fall 15 hrs

CRW 3013	Creative Writing for English Majors	3 hrs
ENL 2022	English Literature II	3 hrs
LIN 4105	History of the English Language	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Junior Year - Spring 15 hrs

ENL 2012	English Literature I	3 hrs
AML 4261	Literature of the South	3 hrs
ENL 4333	Shakespeare Studies	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Senior Year - Fall 15 hrs

AML 4101	American Novel	3 hrs
ENL 4253	The Victorian Age: Poetry	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Senior Year - Spring 13 hrs

LIT 3383	Women in Literature	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		4 hrs

UCF Degree Programs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

English - Technical Communication (B.A.)

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.ucf.edu>

Email: english@ucf.edu

Dr. Patrick Murphy

Phone: 407-823-5596

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Math: (3 hrs)

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

or
 You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers (3 hrs)

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ENC 1101	Composition I	GEP
ENC 1102	Composition II	GEP

3. Core Requirements: Basic Level (6 hrs)

Select 1: (3 hrs)

ENC 3241	Writing for the Technical Professional	3 hrs

Select 1: (3 hrs)

CRW 3013	Creative Writing for English Majors or	3 hrs
ENG 3014	Theories and Techniques of Literature Study or	3 hrs
CRW 3053	Theory & Practice of Creative Writing	3 hrs

4. Core Requirements: Advanced Level (15 hrs)

ENC 4280	Technical Writing Style	3 hrs
ENC 4293	Documentation and the Collaborative Process	3 hrs
ENC 4294	Documentation and Client-Based Collaboration	3 hrs
LIT 4433	Literature of Science and Technology	3 hrs

Select 1: (3 hrs)

ENC 4215	Technical Publication and Project Management or	3 hrs
ENC 4218	The Visual in Technical Documentation	3 hrs

Literary History Requirement (9 hrs)

- Choose three courses from these two groupings

Select at least one of these pre-1865 literature courses

AML 3031	American Literature I or	3 hrs
AML 3613	Narratives of Slavery or	3 hrs
AML 4304	Whitman and His Heirs or	3 hrs
ENL 2012	English Literature I or	3 hrs
ENL 4220	English Renaissance Poetry and Prose or	3 hrs
ENL 4230	18th Century Studies or	3 hrs
ENL 4240	English Romantic Writers or	3 hrs
ENL 4311	Chaucer or	3 hrs
ENL 4333	Shakespeare Studies or	3 hrs
ENL 4341	Milton and His Age or	3 hrs
LIT 4374	Literature of the Bible or	3 hrs
AML 3286	Early American Women's Words or	3 hrs
AML 3640	Native American Literature or	3 hrs
ENL 3296	Gothic Literature	3 hrs

Select at least one of these post 1865 literature courses

AML 3041	American Literature II or	3 hrs
AML 3283	Contemporary American Women's Fiction or	3 hrs
AML 3614	Topics in African-American Literature or	3 hrs
AML 3615	Harlem, Haiti, and Havana or	3 hrs
AML 4101	American Novel or	3 hrs
AML 4153	American Poetry at Mid-Century or	3 hrs
AML 4155	Modern American Poetry or	3 hrs
AML 4261	Literature of the South or	3 hrs
AML 4265	Florida Writers or	3 hrs
AML 4321	Modern American Literature or	3 hrs
AML 4630	Latino/Latina Literature or	3 hrs
ENL 2022	English Literature II or	3 hrs
ENL 4101	English Novel or	3 hrs
ENL 4253	The Victorian Age: Poetry or	3 hrs
ENL 4262	Nineteenth Century British Prose or	3 hrs
ENL 4273	Modern British Literature or	3 hrs
LIT 3082	Continental European Fiction Since 1900 or	3 hrs
LIT 3192	Caribbean Literature or	3 hrs
LIT 4043	Modern Drama As Literature or	3 hrs
LIT 4184	Irish Literature or	3 hrs
LIT 4303	Post-World War II Fiction or	3 hrs
AML 3643	Contemporary Native American Prose and Poetry or	3 hrs
LIT 3823	Hispanic Women Writers	3 hrs

5. Restricted Electives (6 hrs)

Select 2: (6 hrs)

ENC 4262	International Technical Communication or	3 hrs
ENC 4265	Writing for the Computer Industry or	3 hrs
ENC 4290	Usability Testing for Technical Communication or	3 hrs
ENC 4414	Writing and Hypertext or	3 hrs
ENC 4298	Technical Communication for the Virtual Workplace or	3 hrs
ENC 4415	Digital Rhetorics and The Modern Dialectic	3 hrs

Optional course:

ENC 4941	Internship	1 hr

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.



8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Maintain a minimum GPA of 2.0 in upper division required courses

■ Computer Competency met by completion of the following:

ENC 4293	Documentation and the Collaborative Process	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major (9 hrs)

- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of "B" (3.0) or better in an English graduate or undergraduate level course or in a graduate or undergraduate level course outside the major that relates to thesis with approval (3 hours), Directed Readings (3 hours), and Thesis hours (3 hours).
- Successful completion and oral defense of Honors thesis.

Related Programs

- English - Creative Writing
- English - Literature

Certificates

■ None

Related Minors

- English - Creative Writing
- English - Literature
- English - Linguistics
- Writing and Rhetoric

Advising Notes

■ None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

■ ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

Plan of Study

■ None

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

English Language Arts Education (B.S.)**College of Education and Human Performance****School of Teaching, Learning, and Leadership,****Education Building, Room: 209**

<http://education.ucf.edu/englished/>

Dr. Jeff Kaplan, ED 122B, Jeffrey.Kaplan@ucf.edu, 407-823-2041

Dr. Janet Andreasen, Janet.Andreasen@ucf.edu, 407-823-5430

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)

■ Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Required	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Required	LIT 2110	World Literature I	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs

C: Mathematical Foundations (6 hrs)

Prefer	MGF 1106	Finite Mathematics	3 hrs

Select 1: (3 hrs)

Prefer	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

E: Science Foundations (6 hrs)

Prefer	PSC 1121	Physical Science	3 hrs

Select 1: (3 hrs)

Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
¹ EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
ENC 1101	Composition I	GEP
ENC 1102	Composition II	GEP
SPC 1608	Fundamentals of Oral Communication	GEP
LIT 2110	World Literature I	GEP

¹ In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

UCF Degree Programs

3. Core Requirements: Basic Level (12 hrs)

¹ EDF 2130	Child and Adolescent Development for Educators	3 hrs
LIT 2110	World Literature I	GEP
LIT 2120	World Literature II	3 hrs
ENL 2012	English Literature I	3 hrs
ENL 2022	English Literature II	3 hrs

¹ Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (63 hrs)

Education Core Requirements 21 hrs

¹ EDG 4410	Teaching Strategies and Classroom Management	3 hrs
¹ TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
¹ EDF 4467	Learning Theory and Assessment	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
TSL 4240	Issues in Second Language Acquisition	3 hrs

¹ Prerequisite for Internship I.

Specialization Requirements 21 hrs

CRW 3013	Creative Writing for English Majors	3 hrs
ENG 3014	Theories and Techniques of Literature Study	3 hrs
AML 3031	American Literature I	3 hrs
AML 3041	American Literature II	3 hrs
LAE 4464	Survey of Adolescent Literature	3 hrs
Upper Division Elective with EDF, EDG, LAE, or RED prefix		3 hrs

Select 1: 3 hrs

ENC 3311	Essay as Cultural Commentary or	3 hrs
LIN 4105	History of the English Language	3 hrs

Internship I Block 9 hrs

■ Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, and LAE 4464 Introduction to Adolescent Literature with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicalexp/>

LAE 4360	English Instructional Analysis	3 hrs
LAE 4342	Programs in Teaching Language and Composition	3 hrs
LAE 3940	Internship	3 hrs

Internship II 12 hrs

■ All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

■ Passing score on the Subject Area Examination (English 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

LAE 4941	Internship	12 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

■ Complete a TESOL notebook as required for ESOL Endorsement.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

■ Consult with your Education advisor and review your degree audit for more recent information.

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None



Plan of Study

Freshman Year - Fall			12 hrs
AMH 2010	U.S. History: 1492-1877		3 hrs
ENC 1101	Composition I		3 hrs
MGF 1106	Finite Mathematics		3 hrs
PSY 2012	General Psychology		3 hrs

Freshman Year - Spring			12 hrs
AMH 2020	U.S. History: 1877-Present		3 hrs
ENC 1102	Composition II		3 hrs
POS 2041	American National Government		3 hrs
PSC 1121	Physical Science		3 hrs

Freshman Year - Summer			6 hrs
LIT 2110	World Literature I		3 hrs
EDF 2130	Child and Adolescent Development for Educators		3 hrs

Sophomore Year - Fall			15 hrs
EDF 2005	Introduction to the Teaching Profession		3 hrs
LIT 2120	World Literature II		3 hrs
SPC 1608	Fundamentals of Oral Communication		3 hrs

Select 1:			3 hrs
ANT 2511	The Human Species or		3 hrs
BSC 1005	Biological Principles		3 hrs

Select 1:			3 hrs
STA 2014C	Principles of Statistics or		3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel		3 hrs

Sophomore Year - Spring			12 hrs
ENL 2012	English Literature I		3 hrs
AML 3031	American Literature I		3 hrs
EDF 2085	Introduction to Diversity for Educators		3 hrs
EME 2040	Introduction to Technology for Educators		3 hrs

Sophomore Year - Summer			6 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools		3 hrs
ENL 2022	English Literature II		3 hrs

Junior Year - Fall			15 hrs
CRW 3013	Creative Writing for English Majors		3 hrs
TSL 4240	Issues in Second Language Acquisition		3 hrs
EDF 4467	Learning Theory and Assessment		3 hrs
EDG 4410	Teaching Strategies and Classroom Management		3 hrs

Select 1:			3 hrs
ENC 3311	Essay as Cultural Commentary or		3 hrs
LIN 4105	History of the English Language		3 hrs

Junior Year - Spring			15 hrs
AML 3041	American Literature II		3 hrs
Upper Division	Elective w/ RED, LAE, EDG, or EDF prefix		3 hrs
LAE 4464	Survey of Adolescent Literature		3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools		3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12		3 hrs

Junior Year - Summer			3 hrs
ENG 3014	Theories and Techniques of Literature Study		3 hrs

Senior Year - Fall			12 hrs
LAE 4360	English Instructional Analysis		3 hrs
LAE 4342	Programs in Teaching Language and Composition		3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings		3 hrs
LAE 3940	Internship		3 hrs

Senior Year - Spring			12 hrs
LAE 4941	Internship		12 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$12 per term
- Full-Time Student: \$24 per term

Environmental Engineering (B.S.Env.E.)

College of Engineering and Computer Science

Department of Civil, Environmental, and Construction

Engineering, Engineering II, Room: 211

<http://www.cece.ucf.edu>

Carol Ann Pohl, carolann.pohl@ucf.edu

Dr. Andrew Randall, andrew.randall@ucf.edu

Phone: 407-823-2841

Admission Requirements

■ Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHM 2040 AND CHM 2041.

■ Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)

■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

■ A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)

■ The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Suggested	SPC 1603C	Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Select two courses from Historical Foundations	6 hrs
Select one class from Cultural Foundations	3 hrs

C: Mathematical Foundations (7 hrs)

Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs
Required	STA 3032	Probability and Statistics for Engineers	3 hrs

D: Social Foundations (6 hrs)

Select one class from Social Foundations Group 1	3 hrs
Select one class from Social Foundations Group 2	3 hrs

E: Science Foundations (7 hrs)

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Prefer	GEO 1200	Physical Geography	3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

UCF Degree Programs

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- A grade of "C" (2.0) or better is required in each course in this section.

¹ MAC 2311C	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Ordinary Differential Equations I	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

Select one of the following sequences of courses:

- Preferred course		
CHM 2045C	Chemistry Fundamentals I	4 hrs
or		
CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

¹ also satisfy UCF GEP sub-requirements

3. Core Requirements: Basic Level (9 hrs)

- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr
¹ CHM 2045C	Chemistry Fundamentals I	CPP
¹ CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
Earth Science		
Biological Science		3 hrs

¹ A "C" (2.0) or better is required in this course.

4. Core Requirements: Advanced Level (53 hrs)

¹ EGN 3310	Engineering Analysis-Statics	3 hrs
¹ EGN 3321	Engineering Analysis-Dynamics	3 hrs
¹ EGN 3331	Mechanics of Materials	3 hrs
¹ EGN 3343	Thermodynamics	3 hrs
¹ EGN 3613	Engineering Economic Analysis	2 hrs
¹ ENV 3001	Introduction to Environmental Engineering	3 hrs
CCE 4003	Introduction to the Construction Industry	3 hrs
¹ STA 3032	Probability and Statistics for Engineers	GEP
¹ CWR 3201	Engineering Fluid Mechanics	3 hrs
CEG 4011C	Geotechnical Engineering I	4 hrs
EES 4111C	Biological Process Control	3 hrs
EES 4202C	Chemical Process Control	4 hrs
¹ ENV 4531	Environmental Engineering Operations & Processes I	3 hrs
¹ CWR 4632C	Water Resources Engineering I	4 hrs
CWR 4633C	Water Resources Engineering II	3 hrs
ENV 4120	Air Pollution Control	3 hrs
ENV 4561	Environmental Engineering Operations & Processes II	3 hrs
ENV 4341	Solid & Hazardous Waste Management	3 hrs

¹ A "C" (2.0) or better is required in this course.

5. Restricted Electives (3 hrs)

- Technical electives are available in the BSEnVE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

- Required Senior Design Courses
- | | | |
|-----------|----------------------|-------|
| CGN 4808C | CECE Capstone Design | 3 hrs |
|-----------|----------------------|-------|

Design Specialization 3 hrs

- Must be completed before registering for CGN 4808C - Capstone Design

ENV 4433C	Environmental Engineering Wastewater Design or	3 hrs
¹ ENV 4122C	Air Pollution Control Design or	3 hrs
¹ ENV 4300C	Solid Waste Facility Design or	3 hrs
¹ ENV 4562C	Environmental Engineering Water Treatment Design	3 hrs

¹ A "C" (2.0) or better is required in this course.

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- EnvE students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Chemistry
- Construction Engineering
- Civil Engineering

Certificates

- None

Related Minors

- Chemistry
- Environmental Studies
- Mathematics
- Engineering Leadership
- Bioengineering

Advising Notes

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes

- Courses taken from Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition in this evaluation.



■ EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (128 hrs)

■ The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall		14 hrs
ENC 1101	Composition I	3 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
EGN 1006C	Introduction to the Engineering Profession	1 hr
¹ BSC 1050	Biology and Environment	3 hrs
GEP		3 hrs

¹ Biological Science Requirement for Major

Freshman Year - Spring		15 hrs
ENC 1102	Composition II	3 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
EGN 1007C	Engineering Concepts and Methods	1 hr
¹ GEO 1200	Physical Geography	3 hrs

¹ Earth Science Requirement for Major - also in GEP

Sophomore Year - Fall		16 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3613	Engineering Economic Analysis	2 hrs
GEP		3 hrs

Sophomore Year - Spring		17 hrs
MAP 2302	Ordinary Differential Equations I	3 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs
GEP		3 hrs

Sophomore Year - Summer		9 hrs
EGN 3343	Thermodynamics	3 hrs
ENV 3001	Introduction to Environmental Engineering	3 hrs
GEP		3 hrs

Junior Year - Fall		15 hrs
CWR 3201	Engineering Fluid Mechanics	3 hrs
EGN 3331	Mechanics of Materials	3 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs
CCE 4003	Introduction to the Construction Industry	3 hrs
ENV 4341	Solid & Hazardous Waste Management	3 hrs

Junior Year - Spring		14 hrs
GEP		3 hrs
CEG 4011C	Geotechnical Engineering I	4 hrs
ENV 4531	Environmental Engineering Operations & Processes I	3 hrs
CWR 4632C	Water Resources Engineering I	4 hrs

Senior Year - Fall		16 hrs
ENV 4120	Air Pollution Control	3 hrs
ENV 4561	Environmental Engineering Operations & Processes II	3 hrs
EES 4202C	Chemical Process Control	4 hrs
CWR 4633C	Water Resources Engineering II	3 hrs

Design Specialization		3 hrs
ENV 4433C	Environmental Engineering Wastewater Design or	3 hrs
ENV 4122C	Air Pollution Control Design or	3 hrs
ENV 4300C	Solid Waste Facility Design or	3 hrs
ENV 4562C	Environmental Engineering Water Treatment Design	3 hrs

Senior Year - Spring		12 hrs
EES 4111C	Biological Process Control	3 hrs
Restricted Elective		3 hrs
GEP		3 hrs
CGN 4808C	CECE Capstone Design	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$35 per term
- Full-Time Student: \$70 per term

Event Management (B.S.)

Rosen College of Hospitality Management
Department of Tourism Event and Attractions,
9907 Universal Boulevard, Orlando, FL 32819
<http://www.hospitality.ucf.edu>

Email: hospitality@mail.ucf.edu

Dr. Robertico Croes, Department Chair

Dr. Abraham Pizam, Dean

Phone: 407-903-8000

Admission Requirements

■ None

Degree Requirements

■ None

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required MAC 1105C College Algebra 3 hrs

Select 1: 3 hrs

Required CGS 2100C Computer Fundamentals for Business or 3 hrs

Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs

Required ECO 2013 Principles of Macroeconomics or 3 hrs

Required ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs

Required PSY 2012 General Psychology or 3 hrs

Required SYG 2000 Introduction to Sociology or 3 hrs

Required ANT 2000 General Anthropology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. Core Requirements: Basic Level

MAC 1105C College Algebra GEP

Select 1:

STA 2023 Statistical Methods I or GEP

CGS 2100C Computer Fundamentals for Business GEP

Select 1:

ECO 2013 Principles of Macroeconomics or GEP

ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (52 hrs)

Hospitality Management Core 24 hrs

HFT 2401 Hospitality Industry Financial Accounting 3 hrs

HFT 2500 Hospitality and Tourism Marketing 3 hrs

HFT 2220 Hospitality Human Resources Management 3 hrs

HFT 2254 Lodging Operations 3 hrs

HFT 3431 Hospitality industry Managerial Accounting 3 hrs

HFT 3540 Guest Services Management I 3 hrs

HFT 4286 Hospitality Communications 3 hrs

HFT 4464 Hospitality Industry Finance 3 hrs



UCF Degree Programs

Internships		3 hrs
HFT 3940	Internship I	1 hr
HFT 4941	Internship II	1 hr
HFT 4944	Internship III	1 hr

Event Management Core		25 hrs
FSS 2284C	Food Preparation for Catered Events	4 hrs
HFT 2750	The Event Industry	3 hrs
HFT 3670	Hospitality and Event Risk Management	3 hrs
HFT 3512	Event Promotion	3 hrs
HFT 3373	Event Design, Production & Technology	3 hrs
HFT 3519	Event Services	3 hrs
HFT 3523	Event Sales	3 hrs
HFT 4757	Event Management	3 hrs

5. Restricted Electives (18 hrs)

Complete any six restricted Event Management Electives 18 hrs

HFT 3741	Meeting Management or	3 hrs
HFT 4754	Exhibit and Trade Show Operations or	3 hrs
HFT 4795	Entertainment Arts and Events or	3 hrs
HFT 3798	Fairs and Festivals or	3 hrs
HFT 4561	Destination Marketing or	3 hrs
HFT 4736	Destination Management or	3 hrs
HFT 4796	International Events or	3 hrs
HFT 4375	Advanced Trade Show Management or	3 hrs
HFT 3868	History and Culture of Wine or	3 hrs
HFT 3357	Golf & Club Event Operations	3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

8. Electives

- 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements

- Final exams will be given during Final Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida College System institution students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 15 hrs

HFT 1000	Introduction to the Hospitality and Tourism Industry	3 hrs
ENC 1101	Composition I	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs

Select one course from the list 3 hrs

PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs

Cult/Historical Foundation Course 3 hrs

AMH 2010	U.S. History: 1492-1877 or	3 hrs
HUM 2210	Humanistic Tradition I or	3 hrs
EUH 2000	Western Civilization I or	3 hrs
WOH 2012	World Civilization I	3 hrs

Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
MAC 1105C	College Algebra	3 hrs
HFT 2750	The Event Industry	3 hrs
HFT 2220	Hospitality Human Resources Management	3 hrs

Cultural Foundation Course 3 hrs

HUM 2230	Humanistic Tradition II or	3 hrs
AMH 2020	U.S. History: 1877-Present or	3 hrs
EUH 2001	Western Civilization II or	3 hrs
WOH 2022	World Civilization II	3 hrs

Sophomore Year - Fall 15 hrs

HFT 3670	Hospitality and Event Risk Management	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
HFT 2500	Hospitality and Tourism Marketing	3 hrs

Select 1: 3 hrs

ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Science Foundation 3 hrs

BSC 1005	Biological Principles or	3 hrs
BSC 1050	Biology and Environment or	3 hrs
GLY 1030	Geology and its Applications or	3 hrs
GEO 1200	Physical Geography or	3 hrs
ANT 2511	The Human Species	3 hrs

Sophomore Year - Spring 16 hrs

HFT 3512	Event Promotion	3 hrs
HFT 3519	Event Services	3 hrs
¹ FSS 2284C	Food Preparation for Catered Events	4 hrs

Science Foundation II 3 hrs

AST 2002	Astronomy or	3 hrs
CHM 1020	Concepts in Chemistry or	3 hrs
PSC 1121	Physical Science	3 hrs

Cultural Foundation Course 3 hrs

FIL 1000	Cinema Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
MUL 2010	Enjoyment of Music or	3 hrs
THE 2000	Theatre Survey or	3 hrs
ARH 2050	History of Western Art I or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II	3 hrs

¹ Food Preparation for Catered Events 4 credit hours



Junior Year - Fall		16 hrs
HFT 3540	Guest Services Management I	3 hrs
HFT 2254	Lodging Operations	3 hrs
HFT 2401	Hospitality Industry Financial Accounting	3 hrs
HFT 3940	Internship I	1 hr
HFT 3373	Event Design, Production & Technology	3 hrs

Junior Year - Spring		15 hrs
HFT 3431	Hospitality industry Managerial Accounting	3 hrs
HFT 4941	Internship II	1 hr
HFT 3523	Event Sales	3 hrs

Event Management Restricted Electives ***See list in catalog for 9hrs

Senior Year - Fall		15 hrs
HFT 4286	Hospitality Communications	3 hrs
HFT 4464	Hospitality Industry Finance	3 hrs
HFT 4944	Internship III	1 hr

Event Management Restricted Elective ***See list in Catalog for 3hrs

University Free Electives 5 hours

Senior Year - Spring		15 hrs
HFT 4757	Event Management	3 hrs

Event Management Restricted Electives ***See list in catalog for 6hrs

University Free Electives 6 hours

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$37.50 per term
- Full-Time Student: \$75 per term

Film (B.F.A.)

College of Arts and Humanities

School of Visual Arts and Design,

Nicholson School of Communication, Room: 121

<http://film.cah.ucf.edu>

Email: film@ucf.edu

Steve Schlow, 407-823-2845

Phone: 407-823-4285

Admission Requirements

- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors. Exceptions must be approved by the Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major. Contact the Film Department for details, or visit the website, <http://www.film.cah.ucf.edu>.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of "B" (3.0) or better in Film major courses.
- A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.
- All students are required to pay a fee for equipment insurance.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

- See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

- Prefer FIL 2030 History of Motion Pictures 3 hrs
- Prefer one course from 1.B.1 list 3 hrs
- Prefer one course from either 1.B.1 or 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

Math (3 hrs)

- ¹ Prefer MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs
- or
- You may substitute a higher level math with appropriate 3 hrs
- scores on the Math Placement Exam.

Statistics-Computers (3 hrs)

- Select a course from GEP C.2 list 3 hrs

¹ May substitute a higher level math.

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

- ¹ FIL 2030 History of Motion Pictures GEP 3 hrs
- FIL 1007 Foundations of Story 3 hrs

¹ See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (21 hrs)

- Lower level core requirements
- FIL 2107 Script Analysis 3 hrs
- FIL 1009 Cinematic Expression for Majors 3 hrs
- FIL 2552 Editing I 3 hrs
- FIL 2480 Directing for Film I 3 hrs
- FIL 2461 Cinematography I 3 hrs
- FIL 2481 Directing the Actor for Film I 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs

4. Core Requirements: Advanced Level (36 hrs)

- Upper level core requirements
- FIL 3115 Short Script I 3 hrs
- FIL 3132 Short Script II 3 hrs
- FIL 3427C Introduction to Film Production 3 hrs
- FIL 3534 Sound Design for Film I 3 hrs
- FIL 3036 Film History I 3 hrs
- FIL 3037 Film History II 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- ¹ FIL 3922 Film Colloquium 1 hr
- FIL 4486C Directing for Film II 3 hrs
- FIL 4661 The Film Producer 3 hrs
- FIL 4647 Film Production Management 3 hrs

¹ Six semesters of colloquium required at 1 hour each.

5. Restricted Electives (12 hrs)

- Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor's prior approval.

Production / Direction

- FIL 3363C Film Documentary 3 hrs
- DIG 4704 Interactive Entertainment 3 hrs
- FIL 4472C Cinematography II 3 hrs
- FIL 4535C Sound Design for Film II 3 hrs
- FIL 4536 Sound Design III 3 hrs
- FIL 4451 Design for Film 3 hrs
- FIL 4487 Directing for Film III 3 hrs
- FIL 4566C Editing II 3 hrs

Screen Writing

- FIL 4103 Adaptation 3 hrs
- FIL 4162C Feature/TV Writing I 3 hrs
- FIL 4163C Feature/TV Writing II 3 hrs
- FIL 4126C Genre Writing 3 hrs
- FIL 4906 Directed Independent Study 1 hr

Cinema Studies

- FIL 3880C Images of Women in Film 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3804C Film Theory and Criticism II 3 hrs

UCF Degree Programs

FIL 3841	French New Wave Cinema	3 hrs
FIL 3824	Italian Neo-Realist Cinema	3 hrs
FIL 3847	Latin American Cinema	3 hrs
FIL 3820	Italian Film	3 hrs
FIL 3822	French Film	3 hrs
FIL 3823	German Film	3 hrs
FIL 3826	American Cinema	3 hrs
FIL 3871	The American Film Artist	3 hrs
FIL 4436	Film Theory/Film Production	3 hrs

Digital Cinema

ART 2823	Art as Interface	3 hrs
ART 3618	Post-Production Design	3 hrs
COP 3502C	Computer Science I	3 hrs
DIG 4855	Converging Media Capstone	3 hrs
DIG 3138C	Digital Imagery	3 hrs
DIG 4780C	Modeling for Realtime Systems	3 hrs
ENC 4415	Digital Rhetorics and The Modern Dialectic	3 hrs
DIG 3134	Media Software Design	3 hrs
MUC 3311	MIDI Sequencing I	3 hrs

6. Capstone Requirements

(6 hrs)

FIL 4434C	Capstone I	3 hrs
FIL 4573C	Capstone II	3 hrs

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

■ Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

■ A student must maintain an overall average of a "B" (3.0) or better in major courses.

■ Department of Film requires an exit interview.

Computer Competency met by one of the following:

3 hrs

CGS 1060C	Introduction to Computers or	3 hrs
FIL 2552	Editing I or	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Art
- Film - Cinema Studies Track
- Film - World Cinema Track
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

Certificates

- None

Related Minors

- Art - Studio
- Film - Cinema Studies
- English - Creative Writing
- Digital Media
- Music
- Theatre

Advising Notes

- None

Transfer Notes

■ Lower division courses do not substitute for upper division courses.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.

FIL 1007 may use any introductory film writing course.

However, FIL 1008 is a prerequisite for all major courses and must be taken

Plan of Study

Freshman Year - Fall

ENC 1101	Composition I	3 hrs
FIL 1007	Foundations of Story	3 hrs
FIL 1008	Cinematic Expression/Aesthetics	3 hrs
FIL 1009	Cinematic Expression for Majors	3 hrs
FIL 3922	Film Colloquium	1 hr
GEP		3 hrs
Foreign Language		4 hrs

Freshman Year - Spring

ENC 1102	Composition II	3 hrs
FIL 2030	History of Motion Pictures	3 hrs
FIL 2107	Script Analysis	3 hrs
FIL 3922	Film Colloquium	1 hr
GEP		3 hrs
Foreign Language		4 hrs

Freshman Year - Summer

GEP		3 hrs

Sophomore Year - Fall

FIL 3115	Short Script I	3 hrs
FIL 3427C	Introduction to Film Production	3 hrs
FIL 3803C	Film Theory and Criticism I	3 hrs
FIL 3922	Film Colloquium	1 hr
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Spring

FIL 2480	Directing for Film I	3 hrs
FIL 2481	Directing the Actor for Film I	3 hrs
FIL 2552	Editing I	3 hrs
FIL 3922	Film Colloquium	1 hr
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Summer

GEP		3 hrs
GEP		3 hrs

Junior Year - Fall

DIG 2000	Introduction to Digital Media	3 hrs
FIL 2461	Cinematography I	3 hrs
FIL 3036	Film History I	3 hrs
FIL 3534	Sound Design for Film I	3 hrs
FIL 3922	Film Colloquium	1 hr
FIL 4486C	Directing for Film II	3 hrs

Junior Year - Spring

FIL 3037	Film History II	3 hrs
FIL 3132	Short Script II	3 hrs
FIL 3922	Film Colloquium	1 hr
FIL 4647	Film Production Management	3 hrs
FIL 4661	The Film Producer	3 hrs
FIL XXXX	Elective	



Senior Year - Fall
 FIL 4434C Capstone I 3 hrs
 FIL XXXX - Elective
 FIL XXXX - Elective

Senior Year - Spring
 FIL 4573C Capstone II 3 hrs
 FIL XXXX - Elective

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Film - Cinema Studies Track (B.A.)

College of Arts and Humanities

School of Visual Arts and Design,

Nicholson School of Communication, Room: 121

<http://film.cah.ucf.edu>

Email: film@ucf.edu

Steve Schlow, 407-823-2845

Phone: 407-823-4285

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average of "C" (2.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Cinema Studies Track is not an entrance into the BFA Film Program.
- Internship credit can be used in this major.
- Students must consult with a departmental advisor each semester.
- Departmental Residency Requirement consists of at least 45 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

- Prefer FIL 2030 History of Motion Pictures 3 hrs
- Prefer one course from 1.B.1 list 3 hrs
- Prefer one course from 1.B.1 or 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

Math 3 hrs

- ¹ Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs
- or

You may substitute a higher level math with appropriate scores on the Math Placement Exam. 3 hrs

Statistics-Computers 3 hrs

- Select a course from GEP C.2 list 3 hrs

¹ May substitute a higher level math.

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

- ¹ FIL 2030 History of Motion Pictures GEP
- ¹ FIL 1007 Foundations of Story 3 hrs

¹ See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (12 hrs)

- FIL 1008 Cinematic Expression/Aesthetics 3 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 2423 Foundations of Production 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs

4. Core Requirements: Advanced Level (36 hrs)

- FIL 3006 Art of the Cinema 3 hrs
- FIL 3462C Cinematic Expression 3 hrs
- FIL 3363C Film Documentary 3 hrs
- FIL 3036 Film History I 3 hrs
- FIL 3037 Film History II 3 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 3804C Film Theory and Criticism II 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 4661 The Film Producer 3 hrs

Select 1: 3 hrs

- FIL 3102 Writing for Film and TV or 3 hrs
- FIL 3115 Short Script I 3 hrs

5. Restricted Electives (9 hrs)

- Select three courses from the following upper level FIL courses:

- A maximum of 6 hours Independent Study and/or

internship credit may be used

- FIL 3850 Cinema Directors 3 hrs
- FIL 3880C Images of Women in Film 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3841 French New Wave Cinema 3 hrs
- FIL 3041 History of Animated Films I 3 hrs
- FIL 3824 Italian Neo-Realist Cinema 3 hrs
- FIL 3842 International Cinema 3 hrs
- FIL 3820 Italian Film 3 hrs
- FIL 3822 French Film 3 hrs
- FIL 3823 German Film 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- FIL 4436 Film Theory/Film Production 3 hrs
- FIL 4906 Directed Independent Study 3 hrs
- FIL 5612 Film and Internet Business 3 hrs
- DIG 4855 Converging Media Capstone 3 hrs
- DIG 4704 Interactive Entertainment 3 hrs
- FIL 3847 Latin American Cinema 3 hrs
- FIL 3852 Cinema Criticism Writing 3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- Must be taken outside the Film Department. (18 hrs min)

11. Departmental Exit Requirements

- A student must maintain an overall average of "C" (2.0) or better in major courses.

- Computer competency met by one of the following:

- CGS 1060C Introduction to Computers 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- FIL 1008 Cinematic Expression/Aesthetics 3 hrs

UCF Degree Programs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Art
- Music
- Theatre
- Radio - Television
- English - Creative Writing
- Film
- Film - World Cinema Track

Certificates

- None

Related Minors

- Music
- Theatre
- Art - Studio
- English - Creative Writing

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

Acceptable Substitutes for Common Program

Prerequisites

FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken

FIL 1007 may use any introductory film writing course.

However, FIL 1007 is a prerequisite for all major courses and must be taken

Plan of Study

- A minor is required. This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

Freshman Year - Fall

ENC 1101	Composition I	3 hrs
FIL 1007	Foundations of Story	3 hrs
FIL 2030	History of Motion Pictures	3 hrs
Foreign Language I		4 hrs

Freshman Year - Spring

ENC 1102	Composition II	3 hrs
FIL 1008	Cinematic Expression/Aesthetics	3 hrs
FIL 2107	Script Analysis	3 hrs
Foreign Language II		4 hrs

Freshman Year - Summer

GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Fall

FIL 2423	Foundations of Production	3 hrs
FIL 3006	Art of the Cinema	3 hrs
FIL 3036	Film History I	3 hrs
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Spring

DIG 2000	Introduction to Digital Media	3 hrs
FIL 3037	Film History II	3 hrs

Take one of the following

FIL 3102	Writing for Film and TV or	3 hrs
FIL 3115	Short Script I	3 hrs
GEP		3 hrs
GEP		3 hrs

Junior Year - Fall

FIL 3363C	Film Documentary	3 hrs
FIL 3803C	Film Theory and Criticism I	3 hrs
FIL XXXX - Elective		3 hrs
GEP		3 hrs
Minor		3 hrs

Junior Year - Spring

FIL 3462C	Cinematic Expression	3 hrs
FIL 3804C	Film Theory and Criticism II	3 hrs
FIL 4661	The Film Producer	3 hrs
GEP		3 hrs
Minor		3 hrs

Senior Year - Fall

FIL 3826	American Cinema	3 hrs
FIL 3845	World Cinema Traditions	3 hrs
FIL XXXX - Elective		3 hrs
Minor		6 hrs

Senior Year - Spring

FIL 3051	Avant-Garde Cinema	3 hrs
FIL XXXX - Elective		3 hrs
Minor		6 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Finance (B.S.B.A.)

College of Business Administration

Department of Finance,

Business Administration I, Room: 409

Students seeking advising must go to BA 2 room 101.

<http://web.bus.ucf.edu/academics/finance/>

Phone: 407-823-3575

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

- Completion of the UCF General Education Program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.
- See Common Program Prerequisites

Degree Requirements

- Students who change their degree programs should adopt the most current catalog.
- Only grades "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of Advanced Level Core Requirements (section 4 below) or Restricted Electives (section 5 below) can count toward another CBA major or minor degree program.
- Students must earn at least a 2.0 GPA in the major and CBA.



■ Students in the finance major must maintain a 2.0 or higher cumulative grade point average in all 3000 level or higher finance or real estate courses taken at UCF. Failure to maintain the required 2.0 GPA will result in the student being placed on lack of progress in the major. Lack of progress in the major will continue until such time as the student's cumulative GPA in all finance and real estate courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in finance and real estate courses in the subsequent term, that student will be dropped as a finance major. A student who is dropped may seek re-admittance as a finance major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a finance and real estate GPA of 2.0 or higher. Readmission is not automatic.

■ Students majoring in finance must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:

FIN 3403C	Business Finance	4 hrs

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required	CGS 2100C	Computer Fundamentals for Business	3 hrs

Prefer	MAC 1105C	College Algebra	3 hrs

D: Social Foundations (6 hrs)

Select 1: (3 hrs)

Suggested	ECO 2013	Principles of Macroeconomics or	3 hrs

Suggested	ECO 2023	Principles of Microeconomics	3 hrs

Select 1: (3 hrs)

Suggested	PSY 2012	General Psychology or	3 hrs

Suggested	ANT 2000	General Anthropology or	3 hrs

Suggested	SYG 2000	Introduction to Sociology	3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

■ Must be completed with a "C" (2.0) or better.

■ See "Common Prerequisites" in the Transfer and Transitions services section for more information.

ACG 2021	Principles of Financial Accounting	3 hrs

ACG 2071	Principles of Managerial Accounting	3 hrs

CGS 2100C	Computer Fundamentals for Business	3 hrs

ECO 2013	Principles of Macroeconomics	3 hrs

ECO 2023	Principles of Microeconomics	3 hrs

Select one of the following sequences of courses:

■ Students who have not completed MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.

ECO 3401	Quantitative Business Tools I	3 hrs

or

MAC 2233	Concepts of Calculus and	3 hrs

STA 2023	Statistical Methods I	3 hrs

3. Core Requirements: Basic Level (32 hrs)

First or subsequent semester in the College of Business Administration:

¹ GEB 3031	Cornerstone: Professional Skills for Business	3 hrs

GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr

BUL 3130	Legal and Ethical Environment of Business	4 hrs

ECO 3411	Quantitative Business Tools II	4 hrs

FIN 3403C	Business Finance	4 hrs

GEB 3375	Introduction to International Business	4 hrs

MAN 3025	Management of Organizations	4 hrs

MAR 3023	Marketing	4 hrs

MAR 3203	Supply Chain and Operations Management	4 hrs

¹ Required in 1st or 2nd semester.

4. Core Requirements: Advanced Level (18 hrs)

FIN 3303	Financial Markets	3 hrs

FIN 3414	Intermediate Corporate Finance	3 hrs

FIN 3504	Investment Analysis	3 hrs

FIN 4453	Financial Models	3 hrs

Select 2: (6 hrs)

FIN 3461	Financial Statement Analysis or	3 hrs

FIN 4324	Commercial Bank Management or	3 hrs

FIN 4424	Advanced Topics in Financial Management	3 hrs

	or	

FIN 4514	Portfolio Analysis and Management or	3 hrs

FIN 4533	Financial Derivatives or	3 hrs

FIN 4604	International Financial Management	3 hrs

5. Restricted Electives (6 hrs)

Select 2: (6 hrs)

¹ ACG 3131	Intermediate Financial Accounting I or	3 hrs

¹ ACG 3141	Intermediate Financial Accounting II or	3 hrs

¹ ACG 3361	Cost Accounting I or	3 hrs

ECO 4412	Econometrics or	3 hrs

FIN 3461	Financial Statement Analysis or	3 hrs

FIN 4324	Commercial Bank Management or	3 hrs

FIN 4424	Advanced Topics in Financial Management	3 hrs

	or	

FIN 4514	Portfolio Analysis and Management or	3 hrs

FIN 4533	Financial Derivatives or	3 hrs

FIN 4604	International Financial Management or	3 hrs

FIN 4906	Directed Independent Study or	3 hrs

FIN 4941	Finance Internship or	3 hrs

² FIN 4903H	Honors Directed Reading I or	3 hrs

² FIN 4970H	Undergraduate Honors Thesis or	3 hrs

GEB 4374	International Negotiations and Transactions	3 hrs

	or	

MAR 3391	Professional Selling or	3 hrs

REE 3043	Fundamentals of Real Estate or	3 hrs

REE 3433	Real Estate Law or	3 hrs

REE 4103	Real Estate Appraisal and Valuation or	3 hrs

REE 4203	Commercial Real Estate Finance or	3 hrs

REE 4204	Residential Real Estate Finance or	3 hrs

REE 4303	Real Estate Investment Analysis or	3 hrs

REE 4732	Real Estate Development or	3 hrs

REE 4933	Advanced Topics in Real Estate or	3 hrs

TAX 4001	Taxation of Business Entities and Transactions	3 hrs

¹ Must be an accounting major or accounting minor to register for this course

² Must be in the UCF Honors in the Major Program. See <http://www.honors.ucf.edu/> for details.

6. Capstone Requirements (4 hrs)

MAN 4720	Strategic Management	4 hrs

■ This course is taken in the graduating term and requires the following prerequisites:

FIN 3403C	Business Finance	4 hrs

GEB 3031	Cornerstone: Professional Skills for Business	3 hrs

MAN 3025	Management of Organizations	4 hrs

MAR 3023	Marketing	4 hrs

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

Graduation

■ None

8. Electives

■ (variable)

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ None

UCF Degree Programs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- Finance: Banking
- Finance: Corporate Finance
- Finance: Investments

Related Minors

- None

Advising Notes

- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Must complete nine hours in a summer semester
- General electives as required to reach 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Freshman Year - Fall 15 hrs

ENC 1101	Composition I	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
MAC 1105C	College Algebra	3 hrs
Cult-Hist I		3 hrs
Elective		3 hrs

Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
Cult-Hist II		3 hrs
Art/Music/Lit		3 hrs
Elective		3 hrs

Sophomore Year - Fall		15 hrs
ACG 2021	Principles of Financial Accounting	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
Psy/Ant/Soc		3 hrs
Science		3 hrs
Elective		3 hrs

Sophomore Year - Spring		15 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs
ECO 3401	Quantitative Business Tools I	3 hrs
Science		3 hrs
Elective		3 hrs

Junior Year - Fall		16 hrs
FIN 3403C	Business Finance	4 hrs
GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
GEB 3375	Introduction to International Business	4 hrs
MAR 3023	Marketing	4 hrs

Junior Year - Spring		17 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
FIN 3303	Financial Markets	3 hrs
FIN 3414	Intermediate Corporate Finance	3 hrs
FIN 3504	Investment Analysis	3 hrs
MAN 3025	Management of Organizations	4 hrs

Senior Year - Fall		14 hrs
BUL 3130	Legal and Ethical Environment of Business	4 hrs
MAR 3203	Supply Chain and Operations Management	4 hrs
FIN Elective		3 hrs
FIN Elective		3 hrs

Senior Year - Spring		13 hrs
FIN 4453	Financial Models	3 hrs
MAN 4720	Strategic Management	4 hrs
FIN Elective		3 hrs
FIN Elective		3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$15 per term
- Full-Time Student: \$30 per term

Forensic Science - Analysis Track (B.S.)

College of Sciences

Department of Chemistry, Chemistry, Room: 306A

<http://chemistry.cos.ucf.edu/>

Email: chemistry@ucf.edu

Dr. G. Mattson, gerald.mattson@ucf.edu

Phone: 407-823-1522

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.



■ All prerequisites of courses taught within the College of Sciences will be enforced.

■ Courses designated in 2 (Common Program

Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (39 hrs)

■ Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)

Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

Required ENC 1101 Composition I 3 hrs

Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I 4 hrs

Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

■ See "Common Prerequisites" in the Transfer and

Transitions Services section for more information.

BSC 2010C Biology I GEP

Select one of the following sequences of courses:

CHM 2045C Chemistry Fundamentals I 4 hrs

or

CHM 2040 Chemistry Fundamentals IA and 3 hrs

CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:

CHM 2046 Chemistry Fundamentals II 3 hrs

CHM 2046L Chemistry Fundamentals Laboratory 1 hr

MAC 2311C Calculus with Analytic Geometry I GEP

MAC 2312 Calculus with Analytic Geometry II 4 hrs

PHY 2048C Physics for Engineers & Scientists I GEP

PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (18 hrs)

■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP

CHM 2045C Chemistry Fundamentals I CPP

- or

CHM 2040 Chemistry Fundamentals IA and CPP

CHM 2041 Chemistry Fundamentals IB CPP

- and

CHM 2046 Chemistry Fundamentals II and CPP

CHM 2046L Chemistry Fundamentals Laboratory and CPP

BSC 2010C Biology I and GEP/CPP

MAC 2311C Calculus with Analytic Geometry I and CPP

MAC 2312 Calculus with Analytic Geometry II and CPP

PHY 2048C Physics for Engineers & Scientists I and CPP

PHY 2049C Physics for Engineers and Scientists II CPP

Basic Core: Additional Requirements 18 hrs

CHM 2210 Organic Chemistry I and 3 hrs

CHM 2211 Organic Chemistry II and 3 hrs

CHM 2211L Organic Laboratory Techniques I and 2 hrs

CHM 3120 Analytical Chemistry and 3 hrs

CHM 3120L Analytical Chemistry Laboratory and 1 hr

PCB 3063 Genetics and 3 hrs

PCB 3233 Immunology 3 hrs

4. Core Requirements: Advanced Level (34 hrs)

A. Forensic Science Core: 18 hrs

CHS 3501 Introduction to Forensic Science 3 hrs

CHS 3505C Forensic Microscopy 4 hrs

CHS 3533 Forensic Biochemistry I 2 hrs

CHS 3595 Forensic Science in the Courtroom 3 hrs

CHS 4537 Forensic Laboratory Quality Assurance 2 hrs

CHS 4591 Forensic Science Internship 4 hrs

B. Forensic Analysis Track: 16 hrs

CHM 3422 Applied Physical Chemistry 3 hrs

CHM 4130 Advanced Analytical Laboratory Technique 3 hrs

CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs

CHS 3511C Trace Evidence 4 hrs

CHS 3530C Forensic Analysis of Controlled Substances 4 hrs

5. Restricted Electives (12 hrs)

Select from the following: 12 hrs

■ Note: Substitutions require prior approval by the department.

ANT 4521 Forensic Anthropology 3 hrs

BCH 4053 Biochemistry I 3 hrs

CHM 3215L Organic Laboratory Techniques II 2 hrs

CHM 4912 Directed Independent Research 3 hrs

CHS 4506C Forensic Investigation Technology 3 hrs

CHS 4515C Forensic Crime Scene Investigation 4 hrs

PCB 3063L Genetics Laboratory 1 hr

PCB 3233L Immunology Laboratory 1 hr

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Earn a grade of "C" (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.

■ Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 2 and 3 of the departmental degree requirements.

■ Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 4 and 5 of the departmental degree requirements.

■ The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 124

Honors In Major

■ None

Related Programs

■ Chemistry

■ Forensic Science - Biochemistry Track

Certificates

■ Behavioral Forensics

■ Crime Scene Investigation



UCF Degree Programs

Related Minors

- Chemistry

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test ~ <http://chemplacement.sdes.ucf.edu/>
- Before registering for Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>
- Because of the rigorous nature of these classes, students should plan on utilizing summer terms. In addition, you may be required to complete 9 hours during the Summer. Consult with an advisor to determine if you are exempt.
- This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

Freshman Year - Fall	12 hrs
CHM 2040 Chemistry Fundamentals IA	3 hrs
CHS 3501 Introduction to Forensic Science	3 hrs
MAC 1140 Pre-Calculus Algebra	3 hrs
ENC 1101 Composition I	3 hrs

Freshman Year - Spring	14 hrs
CHM 2041 Chemistry Fundamentals IB	3 hrs
BSC 2010C Biology I	4 hrs
MAC 2311C Calculus with Analytic Geometry I	4 hrs
ENC 1102 Composition II	3 hrs

Freshman Year - Summer	4 hrs
CHM 2046 Chemistry Fundamentals II	3 hrs
CHM 2046L Chemistry Fundamentals Laboratory	1 hr
Lab may be taken in a later term if seats are not available.	

Sophomore Year - Fall	14 hrs
CHM 2210 Organic Chemistry I	3 hrs
PHY 2048C Physics for Engineers & Scientists I	4 hrs
STA 2023 Statistical Methods I	3 hrs
MAC 2312 Calculus with Analytic Geometry II	4 hrs

Sophomore Year - Spring	15 hrs
CHM 2211 Organic Chemistry II	3 hrs
CHM 2211L Organic Laboratory Techniques I	2 hrs
Lab may be taken in a later term if seats are not available.	
PHY 2049C Physics for Engineers and Scientists II	4 hrs
Restricted Elective	3 hrs
GEP	3 hrs

Junior Year - Fall	15 hrs
CHS 3505C Forensic Microscopy	4 hrs
CHM 3120 Analytical Chemistry	3 hrs
CHM 3120L Analytical Chemistry Laboratory	1 hr
PCB 3233 Immunology	3 hrs
Restricted Elective	1 hr
GEP	3 hrs

Junior Year - Spring	13 hrs
CHS 3511C Trace Evidence	4 hrs
CHS 4537 Forensic Laboratory Quality Assurance	2 hrs
CHS 3595 Forensic Science in the Courtroom	3 hrs
PCB 3063 Genetics	3 hrs

Junior Year - Summer	7 hrs
¹ CHS 4506C Forensic Investigation Technology	3 hrs
¹ CHS 4515C Forensic Crime Scene Investigation	4 hrs

¹ (or other restricted elective)

Senior Year - Fall	13 hrs
CHS 3530C Forensic Analysis of Controlled Substances	4 hrs
CHS 3533 Forensic Biochemistry I	2 hrs
CHM 3422 Applied Physical Chemistry	3 hrs
GEP	3 hrs
Restricted Elective	1 hr

Senior Year - Spring	14 hrs
CHM 4130 Advanced Analytical Laboratory Technique	3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory	2 hrs
SPC 1603C Fundamentals of Technical Presentations	3 hrs
GEP	3 hrs
GEP	3 hrs

Senior Year - Summer	4 hrs
CHS 4591 Forensic Science Internship	4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Forensic Science - Biochemistry Track (B.S.)

College of Sciences

Department of Chemistry, Chemistry, Room: 306A

<http://chemistry.cos.ucf.edu/>

Email: chemistry@ucf.edu

Dr. G. Mattson, gerald.mattson@ucf.edu

Phone: 407-823-1522

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (39 hrs)

- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations	(9 hrs)
Prefer SPC 1603C Fundamentals of Technical Presentations	3 hrs
Required ENC 1101 Composition I	3 hrs
Required ENC 1102 Composition II	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations	(7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I	4 hrs
Required STA 2023 Statistical Methods I	3 hrs

D: Social Foundations (6 hrs)



E: Science Foundations		(8 hrs)
Required	BSC 2010C Biology I	4 hrs
Required	PHY 2048C Physics for Engineers & Scientists I	4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
BSC 2010C Biology I GEP

Select one of the following sequences of courses:

CHM 2045C Chemistry Fundamentals I 4 hrs

or

CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (20 hrs)

■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP

CHM 2045C Chemistry Fundamentals I GEP/CPP

- or

CHM 2040 Chemistry Fundamentals IA and CPP
CHM 2041 Chemistry Fundamentals IB CPP

- and

CHM 2046 Chemistry Fundamentals II and CPP
CHM 2046L Chemistry Fundamentals Laboratory and CPP
BSC 2010C Biology I and GEP/CPP
MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
MAC 2312 Calculus with Analytic Geometry II and CPP
PHY 2048C Physics for Engineers & Scientists I and CPP
PHY 2049C Physics for Engineers and Scientists II CPP

Basic Core: Additional Requirements 20 hrs

CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I and 2 hrs
CHM 3120 Analytical Chemistry and 3 hrs
CHM 3120L Analytical Chemistry Laboratory and 1 hr
STA 2023 Statistical Methods I and GEP
PCB 3063 Genetics and 3 hrs
PCB 3063L Genetics Laboratory and 1 hr
PCB 3233 Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr

4. Core Requirements: Advanced Level (45 hrs)

A. Forensic Science Core 18 hrs

CHS 3501 Introduction to Forensic Science 3 hrs
CHS 3505C Forensic Microscopy 4 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
CHS 4591 Forensic Science Internship 4 hrs

B. Forensic Biochemistry Track: 27 hrs

BCH 4053 Biochemistry I 3 hrs
BCH 4054 Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
CHS 4534C Forensic Biochemistry II 3 hrs
CHS 3533L Forensic Biochemistry I Laboratory 1 hr
MCB 3020C General Microbiology 5 hrs
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs

5. Restricted Electives (3 hrs)

Any course approved by the Forensic Program advisor. 3 hrs

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Earn a grade of "C" (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.

■ Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 2, 3, 4 and 5 of the departmental degree requirements.

■ The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 124

Honors in Major

■ None

Related Programs

■ Chemistry
■ Forensic Science - Analysis Track
■ Biomedical Sciences

Certificates

■ None

Related Minors

■ Chemistry
■ Biomedical Sciences

Advising Notes

■ None

Transfer Notes

■ Lower division courses do not substitute for upper division courses.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

■ CHM 2045C: may use CHM X040 plus CHM X041.
■ Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.
■ Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study

■ One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

■ Before registering for Chemistry, take Chemistry Placement Test ~ <http://chemplacement.sdes.ucf.edu/>

■ Before registering for Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>



UCF Degree Programs

■ This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

Freshman Year - Fall	16 hrs
CHM 2040 Chemistry Fundamentals IA	3 hrs
CHS 3501 Introduction to Forensic Science	3 hrs
BSC 2010C Biology I	4 hrs
MAC 1140 Pre-Calculus Algebra	3 hrs
ENC 1101 Composition I	3 hrs

Freshman Year - Spring	16 hrs
CHS 3501 Introduction to Forensic Science	3 hrs
CHM 2041 Chemistry Fundamentals IB	3 hrs
MAC 2311C Calculus with Analytic Geometry I	4 hrs
STA 2023 Statistical Methods I	3 hrs
ENC 1102 Composition II	3 hrs
GEP	3 hrs

Freshman Year - Summer	4 hrs
CHM 2046 Chemistry Fundamentals II	3 hrs
CHM 2046L Chemistry Fundamentals Laboratory	1 hr
Lab may be taken in a later term if seats are not available.	

Sophomore Year - Fall	14 hrs
CHM 2210 Organic Chemistry I	3 hrs
PHY 2048C Physics for Engineers & Scientists I	4 hrs
MAC 2312 Calculus with Analytic Geometry II	4 hrs
SPC 1603C Fundamentals of Technical Presentations	3 hrs

Sophomore Year - Spring	13 hrs
CHM 2211 Organic Chemistry II	3 hrs
CHM 2211L Organic Laboratory Techniques I	2 hrs
Lab may be taken in a later term if seats are not available.	
MCB 3020C General Microbiology	5 hrs
GEP	3 hrs

Sophomore Year - Summer	4 hrs
PHY 2049C Physics for Engineers and Scientists II	4 hrs

Junior Year - Fall	14 hrs
CHS 3505C Forensic Microscopy	4 hrs
PCB 3233 Immunology	3 hrs
PCB 3233L Immunology Laboratory	1 hr
GEP	3 hrs
GEP	3 hrs

Junior Year - Spring	14 hrs
CHS 3595 Forensic Science in the Courtroom	3 hrs
CHS 4537 Forensic Laboratory Quality Assurance	2 hrs
CHM 3120 Analytical Chemistry	3 hrs
CHM 3120L Analytical Chemistry Laboratory	1 hr
PCB 3063 Genetics	3 hrs
PCB 3063L Genetics Laboratory	1 hr

Senior Year - Fall	16 hrs
CHS 3533 Forensic Biochemistry I	2 hrs
CHS 3533L Forensic Biochemistry I Laboratory	1 hr
BCH 4053 Biochemistry I	3 hrs
PCB 3522 Molecular Biology I	3 hrs
BSC 3403C Quantitative Biological Methods	4 hrs
GEP	3 hrs

Senior Year - Spring	14 hrs
CHS 4534C Forensic Biochemistry II	3 hrs
BCH 4054 Biochemistry II	3 hrs
BCH 4103L Biochemical Methods	2 hrs
PCB 4524 Molecular Biology II	3 hrs
Restricted Elective	3 hrs

Senior Year - Summer	4 hrs
CHS 4591 Forensic Science Internship	4 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

French (B.A.)

College of Arts and Humanities

Department of Modern Languages and Literatures,

Colbourn Hall, Room: 523

<http://ml.cah.ucf.edu/>

Dr. Paul Giordano

Phone: 407-823-2472

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a "C" (2.0) in each upper division French course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Math (6 hrs)

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

Statistics - Computers (3 hrs)

Select a course from GEP C.2 list	3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (14 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

¹ FRE 1120C	Elementary French Language and Civilization I	4 hrs
¹ FRE 1121C	Elementary French Language and Civilization II	4 hrs
¹ FRE 2200	Intermediate French Language and Civilization I	3 hrs
¹ FRE 2201	Intermediate French Language and Civilization II	3 hrs

¹ *May be met by proficiency test or completion of FRE 2201

3. Core Requirements: Basic Level

- None



4. Core Requirements: Advanced Level	(21 hrs)
FRW 3100 Survey of French Literature I	3 hrs
¹ FRE 3300 French Grammar	3 hrs
¹ FRE 3420 French Composition	3 hrs
¹ FRE 3760 Advanced French Oral Communication	3 hrs
¹ FRE 3780 French Phonetics and Diction	3 hrs

Select 1:	3 hrs
¹ FRE 4421 Advanced French Conversation or	3 hrs
FRE 4422 Advanced French Composition	3 hrs

Select 1:	3 hrs
FRW 3101 Survey of French Literature II or	3 hrs
FRW 3770 Francophone Literature	3 hrs

¹ A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

5. Restricted Electives	(15 hrs)
French literature beyond the survey level (taught in French)	6 hrs
French courses	9 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirements.

Graduation

- Met by Common Program Prerequisites

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or higher in at least 36 hours of upper division French courses
- Students are required to satisfactorily complete a departmental exit exam
- Students must submit their portfolio to their French Faculty Advisor
- Computer Competency met by the following or equivalent:

CGS 1060C	Introduction to Computers	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Spanish

Certificates

- None

Related Minors

- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

General Business (B.S.B.A.)

College of Business Administration

Department of Management,

Business Administration II, Room: 101

<http://www.bus.ucf.edu/>

Email: uss@bus.ucf.edu

Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.
- See Common Program Prerequisites

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB.
- Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations	(9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required CGS 2100C Computer Fundamentals for Business	3 hrs
Prefer MAC 1105C College Algebra	3 hrs

D: Social Foundations (6 hrs)

Select 1: (3 hrs)

Required ECO 2013 Principles of Macroeconomics or	3 hrs
Required ECO 2023 Principles of Microeconomics	3 hrs

Select 1: (3 hrs)

Suggested ANT 2000 General Anthropology or	3 hrs
Suggested PSY 2012 General Psychology or	3 hrs
Suggested SYG 2000 Introduction to Sociology	3 hrs

UCF Degree Programs

E: Science Foundations			(6 hrs)
2. Common Program Prerequisites (CPP)			(18 hrs)
■ Must be completed with a "C" (2.0) or better.			
ACG 2021	Principles of Financial Accounting	3 hrs	
ACG 2071	Principles of Managerial Accounting	3 hrs	
CGS 2100C	Computer Fundamentals for Business	3 hrs	
ECO 2013	Principles of Macroeconomics	3 hrs	
ECO 2023	Principles of Microeconomics	3 hrs	
Select one of the following sequences of courses:			
■ Students must receive a "C" (2.0) in both MAC 2233 and STA 2023 to be waived from ECO 3401.			
ECO 3401	Quantitative Business Tools I	3 hrs	
or			
MAC 2233	Concepts of Calculus and	3 hrs	
STA 2023	Statistical Methods I	3 hrs	
3. Core Requirements: Basic Level			
■ None			
4. Core Requirements: Advanced Level			(32 hrs)
Core Classes			32 hrs
First or subsequent semester in the College of			32 hrs
Business Administration:			
BUL 3130	Legal and Ethical Environment of Business and	4 hrs	
ECO 3411	Quantitative Business Tools II and	4 hrs	
FIN 3403C	Business Finance and	4 hrs	
¹ GEB 3031	Cornerstone: Professional Skills for Business and	3 hrs	
² GEB 3031L	Cornerstone Lab: Professional Skills for Business and	1 hr	
GEB 3375	Introduction to International Business and	4 hrs	
MAN 3025	Management of Organizations and	4 hrs	
MAR 3023	Marketing and	4 hrs	
MAR 3203	Supply Chain and Operations Management	4 hrs	
¹ Required in 1st or 2nd semester			
² Must be taken with GEB 3031			
Second Level Core Requirements			12 hrs
■ Students must take the following four (4) courses.			
ECP 4703	Managerial Economics	3 hrs	
FIN 3303	Financial Markets	3 hrs	
MAN 3301	Management of Human Resources	3 hrs	
MAR 3503	Consumer Behavior	3 hrs	
5. Restricted Electives			(12 hrs)
■ Restricted electives are to be taken from two different departments and from the courses listed below. At least two of the restricted electives must be at the 4000 level.			
Economics			
¹ ECO 3223	Money and Banking	3 hrs	
¹ ECP 3203	Labor Economics	3 hrs	
¹ Any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. The substitution must be petitioned and have prior written approval			
Finance			
FIN 3414	Intermediate Corporate Finance	3 hrs	
FIN 3504	Investment Analysis	3 hrs	
Management			
GEB 3113	Creativity and Entrepreneurship	3 hrs	
MAN 4240	Organizations: Theory and Behavior	3 hrs	
MAN 4441	Conflict Resolution and Negotiation	3 hrs	
Marketing			
MAR 3403	Sales Force Management	3 hrs	
MAR 3613	Marketing Analysis and Research	3 hrs	
MAR 4156	International Marketing	3 hrs	
MAR 4841	Services Marketing	3 hrs	

6. Capstone Requirements			(4 hrs)
MAN 4720	Strategic Management	4 hrs	
■ This course is taken in the graduating term and requires the following prerequisites:			
FIN 3403C	Business Finance	4 hrs	
¹ GEB 3031	Cornerstone: Professional Skills for Business	3 hrs	
² GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr	
MAN 3025	Management of Organizations	4 hrs	
MAR 3023	Marketing	4 hrs	

¹ Required in 1st or 2nd semester

² Must be taken with GEB 3031

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ General electives as required to reach 120 semester hours.

9. Additional Requirements

■ Students desiring to complete the General Business major as a second major within the College of Business Administration must complete 24 hours in the second major beyond the courses required for the General Business major.

■ Students in the General Business major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher, Business courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Business courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Business courses in a subsequent term, that student will be dropped as a General Business major. A student who is dropped may seek remittance as A General Business major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Business GPA of 2.0 or higher. Readmission is not automatic.

10. Required Minors

■ None

11. Departmental Exit Requirements

■ None

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None



Advising Notes

- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I.
- Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses

- ACG 2021-Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study

Freshman Year - Fall		15 hrs
ENC 1101	Composition I	3 hrs
¹ SPC 1608	Fundamentals of Oral Communication	3 hrs

¹ Must complete nine hours in a summer term.

Freshman Year - Spring		15 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
ENC 1102	Composition II	3 hrs
MAC 1105C	College Algebra	3 hrs

Sophomore Year - Fall		15 hrs
¹ ACG 2021	Principles of Financial Accounting	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

¹ "C" (2.0) or better grade required in each class. Student should choose to major in one of the two areas of study below.

Sophomore Year - Spring		15 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
ECO 3401	Quantitative Business Tools I	3 hrs

Junior Year - Fall		16 hrs
BUL 3130	Legal and Ethical Environment of Business	4 hrs
¹ GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
² GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
MAN 3025	Management of Organizations	4 hrs
MAR 3203	Supply Chain and Operations Management	4 hrs

¹ Required in 1st or 2nd semester

² Must be taken with GEB 3031

Junior Year - Spring		15 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
FIN 3403C	Business Finance	4 hrs
MAR 3023	Marketing	4 hrs

Senior Year - Fall		16 hrs
¹ GEB 3375	Introduction to International Business	4 hrs

¹ **Students take 3 restrictive electives from approved list described above***General electives as required to reach 120 semester hours.

Senior Year - Spring		13 hrs
ECP 4703	Managerial Economics	3 hrs
MAN 4720	Strategic Management	4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$15 per term
- Full-Time Student: \$30 per term

Health Informatics and Information Management (B.S.)

College of Health and Public Affairs

Department of Health Management and Informatics,

Health & Public Affairs II, Room: 210

<http://www.cohpa.ucf.edu/hmi/bshim.cfm>

Dr. Alice M. Noblin, anoblin@ucf.edu

Phone: 407-823-2353

Admission Requirements

- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring. Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of "C" (2.0)
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements

- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program
- UCF Residency Requirement: 30 hours

UCF Degree Programs

1. UCF General Education Program (GEP)	(37 hrs)
A: Communication Foundations	(9 hrs)
B: Cultural & Historical Foundations	(9 hrs)
C: Mathematical Foundations	(6 hrs)
Suggested MAC 1105C College Algebra	3 hrs
Suggested STA 2014C Principles of Statistics	3 hrs

D: Social Foundations	(6 hrs)

E: Science Foundations	(7 hrs)
Suggested BSC 2010C Biology I	4 hrs
Suggested CHM 1032 General Chemistry	3 hrs

2. Common Program Prerequisites (CPP)	(17 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

¹ ZOO 3733C Human Anatomy	4 hrs
PCB 3703C Human Physiology	4 hrs
STA 2014C Principles of Statistics	GEP
¹ CGS 2100C Computer Fundamentals for Business	3 hrs
ACG 2071 Principles of Managerial Accounting	3 hrs
ACG 2021 Principles of Financial Accounting	3 hrs

¹ See Transfer Notes

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (66 hrs)

HSC 3147 Introduction to Pharmacology	3 hrs
HSA 3170 Health Care Finance	3 hrs
HSA 4109 Principles of Managed Care	3 hrs
HSA 4191 Health Care Automation	3 hrs
HSA 4702 Health Sciences Research Methods	3 hrs
HSC 3537 Medical Terminology	3 hrs
HSC 4555 Pathophysiology I	3 hrs
HSC 4558 Pathophysiology II	3 hrs
HIM 3006 Foundations of Health Information Management (HIM)	3 hrs
HIM 3116C Health Record Organization and Management	4 hrs
HIM 3806C Professional Practice Experience I	3 hrs
HIM 4816C Professional Practice Experience II	3 hrs
HIM 4226C Coding Procedures I	5 hrs
HIM 4256C Coding Procedures II	3 hrs
HIM 4676 Professional Development and Issues in Health Information Management	3 hrs
HIM 4344C Health Information Department Management	4 hrs
HIM 4508C Quality Management	3 hrs
HIM 4656C Health Information Management Systems	3 hrs
HIM 4838 Management Affiliation	5 hrs

Select 1: 3 hrs

HSA 4180 Organization & Management for Health Agencies I or	3 hrs
MAN 3025 Management of Organizations	4 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ A minimum 2.5 overall GPA is required for graduation.

■ Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

- Health Services Administration
- Business Administration
- Computer Science

Certificates

■ None

Related Minors

- Health Services Administration
- Business
- Computer Science

Advising Notes

■ None

Transfer Notes

- Florida College System Equivalents:
- Human Anatomy & Physiology I & II (BSC X085 and X086)
- Financial Accounting (ACG 2021)
- Managerial Accounting (ACG 2071)
- Statistics (STA 2014C or any other statistics course)
- Computer Science for Business (CGS 2100C)

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

Freshman Year - Fall 14 hrs

ENC 1101 Composition I	3 hrs
CHM 1032 General Chemistry	3 hrs
HSC 2000 Introduction to the Allied Health Professions	2 hrs
MAC 1105C College Algebra	3 hrs

Select 1: 3 hrs

PSY 2012 General Psychology or	3 hrs
SYG 2000 Introduction to Sociology or	3 hrs
ANT 2000 General Anthropology	3 hrs

Freshman Year - Spring 16 hrs

ENC 1102 Composition II	3 hrs
STA 2014C Principles of Statistics	3 hrs
BSC 2010C Biology I	4 hrs

Select 1: 3 hrs

EUH 2000 Western Civilization I or	3 hrs
HUM 2210 Humanistic Tradition I or	3 hrs
AMH 2010 U.S. History: 1492-1877	3 hrs

Select 1: 3 hrs

POS 2041 American National Government or	3 hrs
ECO 2013 Principles of Macroeconomics	3 hrs

Sophomore Year - Fall 13 hrs

ZOO 3733C Human Anatomy	4 hrs
CGS 2100C Computer Fundamentals for Business	3 hrs
ACG 2021 Principles of Financial Accounting	3 hrs

Select 1: 3 hrs

EUH 2001 Western Civilization II or	3 hrs
HUM 2230 Humanistic Tradition II or	3 hrs
AMH 2020 U.S. History: 1877-Present	3 hrs



Sophomore Year - Spring		13 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
PCB 3703C	Human Physiology	4 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

Select 1:		3 hrs
ARH 2050	History of Western Art I or	3 hrs
ARH 2051	History of Western Art II or	3 hrs
MUL 2010	Enjoyment of Music or	3 hrs
THE 2000	Theatre Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II	3 hrs

Junior Year - Fall		15 hrs
¹ HSA 4191	Health Care Automation	3 hrs
HIM 3006	Foundations of Health Information Management (HIM)	3 hrs
¹ HSC 3537	Medical Terminology	3 hrs
HSC 4555	Pathophysiology I	3 hrs

Select 1:		3 hrs
¹ MAN 3025	Management of Organizations or	4 hrs
HSA 4180	Organization & Management for Health Agencies I	3 hrs

¹ The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

Junior Year - Spring		15 hrs
HIM 4226C	Coding Procedures I	5 hrs
HIM 3116C	Health Record Organization and Management	4 hrs
HIM 3806C	Professional Practice Experience I	3 hrs
HSC 4558	Pathophysiology II	3 hrs

Junior Year - Summer		6 hrs
HSA 4109	Principles of Managed Care	3 hrs
HSC 3147	Introduction to Pharmacology	3 hrs

Senior Year - Fall		13 hrs
HIM 4344C	Health Information Department Management	4 hrs
HIM 4508C	Quality Management	3 hrs
HIM 4256C	Coding Procedures II	3 hrs
HIM 4656C	Health Information Management Systems	3 hrs

Senior Year - Spring		12 hrs
HIM 4676	Professional Development and Issues in Health Information Management	3 hrs
HIM 4816C	Professional Practice Experience II	3 hrs
¹ HSA 4702	Health Sciences Research Methods	3 hrs
¹ HSA 3170	Health Care Finance	3 hrs

¹ The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

Senior Year - Summer		5 hrs
HIM 4838	Management Affiliation	5 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$15 per term
- Full-Time Student: \$30 per term

Health Sciences - Pre-Clinical Track (B.S.)

College of Health and Public Affairs

Department of Health Professions,

Health & Public Affairs II, Room: 118

<http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml>

Dr. Suha Saleh, pcinfo@ucf.edu, 407-823-2747

The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

Admission Requirements

- None

Degree Requirements

- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.

- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.

- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.

- Students must achieve at least 2.5 overall GPA for graduation.

- No transfer course will be accepted with a grade lower than a "C."

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations (9 hrs)

Suggested	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

¹ Required	MAC 1105C	College Algebra	3 hrs
Required	STA 2023	Statistical Methods I	3 hrs

¹ Students must earn appropriate score on placement exam prior to enrolling in these classes.

D: Social Foundations (6 hrs)

Required	PSY 2012	General Psychology	3 hrs

E: Science Foundations (8 hrs)

Required	BSC 2010C	Biology I	4 hrs
Required	PHY 2053C	College Physics I	4 hrs

2. Common Program Prerequisites (CPP) (3 hrs)

MAC 1114C	College Trigonometry	3 hrs
BSC 2010C	Biology I	GEP
PSY 2012	General Psychology	GEP
STA 2023	Statistical Methods I	3 hrs

3. Core Requirements: Basic Level (20 hrs)

¹ CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
DEP 2004C	Developmental Psychology	3 hrs
HUN 2201	Fundamentals of Human Nutrition	3 hrs
PHY 2053C	College Physics I	GEP
PHY 2054C	College Physics II	4 hrs

UCF Degree Programs

Select 1:		2 hrs
² HSC 2000	Introduction to the Allied Health Professions or	2 hrs
HSC 4008	Professional Development in Health Professions	3 hrs

¹ Students must earn appropriate score on placement exam prior to enrolling in these classes.

² For freshman and sophomore students. The upper level HSC 4008 (3hrs) can be used as a substitution as needed during the junior or senior years.

4. Core Requirements: Advanced Level		(29 hrs)
HSA 4702	Health Sciences Research Methods	3 hrs
HSC 3147	Introduction to Pharmacology	3 hrs
HSC 3211	Preventive Health Care	3 hrs
HSC 4555	Pathophysiology I	3 hrs
HSC 4652	Health Law and Ethics	3 hrs
HSC 4558	Pathophysiology II	3 hrs
HSC 4501	Epidemiology of Chronic Diseases	3 hrs
PCB 3703C	Human Physiology	4 hrs
ZOO 3733C	Human Anatomy	4 hrs

5. Restricted Electives (30 hrs)
 ■ Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of certain science classes.

■ Students must meet restricted elective credit hour requirements and UCF upper division credit hour requirements. These are suggested electives based on disciplines, but it is the student's responsibility to check with graduate programs to meet prerequisites.

■ Students are advised to check the Program's website for updated information and suggested electives for specific Health Professions Graduate Programs.

BCH 4053	Biochemistry I	3 hrs
CHM 2210	Organic Chemistry I	3 hrs
BSC 2011C	Biology II	4 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
HSA 3111	U.S. Health Care Systems	3 hrs
HSC 3110	Medical Self Assessment	3 hrs
HSC 3537	Medical Terminology	3 hrs
HSC 3559	Disabilities in American Society	3 hrs
HSC 3593	HIV Disease: A Human Concern	3 hrs
HSC 3432	Occupational Safety for the Health Care Professional	3 hrs
HSC 4008	Professional Development in Health Professions	3 hrs
HSC 4564	Health Care Needs of the Elderly	3 hrs
HSC 4572	Clinical Nutrition	3 hrs
HSC 4730	Applied Health Research Methodology	3 hrs
MCB 3020C	General Microbiology	5 hrs
MCB 4503C	Virology	3 hrs
PCB 3063	Genetics	3 hrs
PCB 3063L	Genetics Laboratory	1 hr
PCB 3233	Immunology	3 hrs
PCB 3233L	Immunology Laboratory	1 hr
PCB 4805	Endocrinology	3 hrs
ATR 3203C	Upper Extremity Function and Measurement	3 hrs
ATR 3204C	Lower Extremity Function and Measurement	3 hrs
ATR 3312C	Injury, Management, and Rehabilitation	3 hrs
PET 4606	Applied Fitness in Sport	3 hrs
SYO 4400	Medical Sociology	3 hrs
ZOO 3744	Neurobiology	3 hrs
ZOO 4743C	Clinical Neuroanatomy and Neuroscience	4 hrs
ZOO 4753C	Vertebrate Histology	4 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Students who transfer in with a Florida College System institution AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must achieve at least 2.5 overall GPA for graduation.

- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.

- Students must take a minimum of 30 hours of upper-division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences-Pre-Clinical Track.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Interested students should consult with a faculty advisor

Related Programs

- Biology
- Molecular Biology and Microbiology
- Athletic Training
- Sports and Fitness

Certificates

- None

Related Minors

- Biology
- Business
- Chemistry
- Education
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Psychology
- Science Education

Advising Notes

- Students should consult with a college advisor each semester.
- Students should consult a pre-professional advisor before making application to a graduate program.
- Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.

Transfer Notes

- Completion of an Associate of Arts degree from a Florida College System institution is strongly recommended.
- Students who begin a two-semester sequence course (e.g. General Chemistry, College Physics) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Students who take Anatomy and Physiology at a Florida College System institution may be required to complete additional upper division credits in order to meet University graduation requirement of 48 credit hours of upper division (3000-4000) level credits.

Acceptable Substitutes for Transfer Courses

- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 1011 and BSC 1011L).
- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 2046) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.
- College Physics II (PHY 2054C) can be substituted by PHY 1054 and Lab.
- Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) can be substituted by Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) credit required by UCF for graduation.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall		15 hrs
BSC 2010C	Biology I	4 hrs
MAC 1105C	College Algebra	3 hrs
ENC 1101	Composition I	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
HSC 2000	Introduction to the Allied Health Professions	2 hrs

Freshman Year - Spring		16 hrs
ENC 1102	Composition II	3 hrs
PSY 2012	General Psychology	3 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs

Select 1:		3 hrs
STA 2014C	Principles of Statistics or	3 hrs
STA 2023	Statistical Methods I	3 hrs

Select 1:		3 hrs
MUL 2010	Enjoyment of Music or	3 hrs
REL 2300	World Religions or	3 hrs
THE 2000	Theatre Survey or	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs

Sophomore Year - Fall		14 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
DEP 2004C	Developmental Psychology	3 hrs
ZOO 3733C	Human Anatomy	4 hrs

Select 1:		3 hrs
EUH 2000	Western Civilization I or	3 hrs
AMH 2010	U.S. History: 1492-1877 or	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs

Sophomore Year - Spring		16 hrs
PCB 3703C	Human Physiology	4 hrs
HUN 2201	Fundamentals of Human Nutrition	3 hrs
HSC 3147	Introduction to Pharmacology	3 hrs
MAC 1114C	College Trigonometry	3 hrs

Select 1:		3 hrs
EUH 2001	Western Civilization II or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs

Junior Year - Fall		13 hrs
PHY 2053C	College Physics I	4 hrs
HSC 4555	Pathophysiology I	3 hrs
Restricted Elective		3 hrs

Select 1:		3 hrs
ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Junior Year - Spring		16 hrs
PHY 2054C	College Physics II	4 hrs
HSA 4702	Health Sciences Research Methods	3 hrs
HSC 4558	Pathophysiology II	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Senior Year - Fall		15 hrs
HSC 3211	Preventive Health Care	3 hrs
HSC 4652	Health Law and Ethics	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Senior Year - Spring		15 hrs
HSC 4501	Epidemiology of Chronic Diseases	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Health Services Administration (B.S.)

College of Health and Public Affairs

Department of Health Management and Informatics,

Health & Public Affairs II, Room: 210

<http://www.cohpa.ucf.edu/hmi/>

Email: hsainfo@ucf.edu

Dr. Jennifer Sumner, Undergraduate Program Director

Dr. Myron Fottler, Exec. Director of HSA Programs

Phone: 407-823-2359

This program is currently available online and in the classroom. Students who choose to take online courses are urged to complete either CGS 2100C or CGS 1060C prior to enrolling in online-based courses. After enrolling in online courses, students should visit <http://learn.ucf.edu>. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see <http://distrib.ucf.edu/home>.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor prior to first semester of enrollment.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours
- HSA Residency Requirement: Students must complete at least 45 credit hours of the core requirements at UCF in the department of Health Management and Informatics.

UCF Degree Programs

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
 Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
 Suggested MAC 1105C College Algebra 3 hrs

Select 1: (3 hrs)

Suggested CGS 1060C Introduction to Computers or 3 hrs
 Suggested CGS 2100C Computer Fundamentals for Business 3 hrs

D: Social Foundations (6 hrs)

Suggested ECO 2023 Principles of Microeconomics 3 hrs

Select 1: (3 hrs)

Prefer PSY 2012 General Psychology or 3 hrs
 Prefer SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)

■ Students must earn a "C" (2.0) or better in each Common Program Prerequisite

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ECO 2023	Principles of Microeconomics	GEP
ACG 2071	Principles of Managerial Accounting	3 hrs
ACG 2021	Principles of Financial Accounting	3 hrs
STA 2023	Statistical Methods I	3 hrs

Select 1:

CGS 2100C	Computer Fundamentals for Business or	GEP
CGS 1060C	Introduction to Computers	GEP

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (48 hrs)

■ Students must earn a "C" (2.0) or better in each Core Requirement

HSA 3111	U.S. Health Care Systems	3 hrs
HSA 3170	Health Care Finance	3 hrs
HSA 3222	Long Term Care and Administration	3 hrs
HSA 3430	Health Care Economics	3 hrs
HSA 4109	Principles of Managed Care	3 hrs
HSC 4201	Community Health	3 hrs
HSA 4180	Organization & Management for Health Agencies I	3 hrs
HIM 4508C	Quality Management	3 hrs
HSA 4702	Health Sciences Research Methods	3 hrs
HSC 3537	Medical Terminology	3 hrs
HSC 4500	Epidemiology	3 hrs
HSC 4564	Health Care Needs of the Elderly	3 hrs
HSC 4652	Health Law and Ethics	3 hrs
HSA 4184	Organization & Management for Health Agencies II	3 hrs
HSA 4191	Health Care Automation	3 hrs
HSA 4850	Health Services Administration Internship	3 hrs

5. Restricted Electives

■ None

6. Capstone Requirements (3 hrs)

HSA 4939 Health Services Administration Capstone 3 hrs

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ Students who transfer with an AA degree from a Florida College System institution and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

8. Electives

■ Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

9. Additional Requirements

■ As a requirement for the Bachelor of Science in Health Services Administration major, students must complete an internship within the administrative realm of an actual health care organization. Many health care organizations will require that students complete a background check, which may include, but not be limited to, law enforcement finger printing, state driving records, credit reports, and criminal records check. The cost of the background check is the student's responsibility. Background checks may take time to complete and, subsequently, could delay the student's internship placement. It is advised that, in the semester prior to the internship, the student contact the organization directly to obtain further information on the organization's background check requirements. Students who have potential background issues must contact the Director of Internships to schedule an interview in order to discuss the impact on field placement. The Health Services Administration Program cannot guarantee internship placement or subsequent degree completion for students who do not pass background checks.

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Students must earn a "C" (2.0) or better in each Health Services Administration course.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA
 ■ 60 semester hours earned after CLEP awarded
 ■ 48 semester hours of upper division credit completed
 ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
 ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
 ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ Interested students should consult with a faculty advisor.

Related Programs

■ Public Administration
 ■ Health Informatics and Information Management

Certificates

■ Aging Studies

Related Minors

■ Aging Studies
 ■ Health Informatics and Information Management
 ■ Health Sciences
 ■ Public Administration

Advising Notes

■ Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.

■ A variety of internship opportunities are available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.

■ Students will be assigned a faculty member for the purpose of career advising.

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 14 hrs

ENC 1101	Composition I	3 hrs
HSC 2000	Introduction to the Allied Health Professions	2 hrs
MAC 1105C	College Algebra	3 hrs
Free Elective		3 hrs

Select 1: 3 hrs

PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology	3 hrs

Freshman Year - Spring 12 hrs

ENC 1102	Composition II	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

Select 1: 3 hrs

PSC 1121	Physical Science or	3 hrs
CHM 1020	Concepts in Chemistry	3 hrs

Select 1: 3 hrs

MUL 2010	Enjoyment of Music or	3 hrs
THE 2000	Theatre Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs

Sophomore Year - Fall 15 hrs

ECO 2023	Principles of Microeconomics	3 hrs
BSC 1005	Biological Principles	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
ACG 2021	Principles of Financial Accounting	3 hrs

Select 1: 3 hrs

EUH 2000	Western Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I or	3 hrs
AMH 2010	U.S. History: 1492-1877 or	3 hrs
WOH 2012	World Civilization I	3 hrs

Sophomore Year - Spring 12 hrs

ACG 2071	Principles of Managerial Accounting	3 hrs
STA 2023	Statistical Methods I	3 hrs
Elective / Minor		3 hrs

Select 1: 3 hrs

EUH 2001	Western Civilization II or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
AMH 2020	U.S. History: 1877-Present or	3 hrs
WOH 2022	World Civilization II	3 hrs

Sophomore Year - Summer 8 hrs

Select 1: 3 hrs

Elective / Minor		3 hrs
¹ Foreign Language		4 hrs

Select 1: 3 hrs

Elective / Minor		3 hrs
¹ Foreign Language		4 hrs

¹ If not satisfied in high school

Junior Year - Fall 15 hrs

HSA 3111	U.S. Health Care Systems	3 hrs
HSC 3537	Medical Terminology	3 hrs
HSC 4201	Community Health	3 hrs
HSA 3222	Long Term Care and Administration	3 hrs
Elective / Minor		3 hrs

Junior Year - Spring 15 hrs

HSA 3170	Health Care Finance	3 hrs
HSC 4500	Epidemiology	3 hrs
HSA 4180	Organization & Management for Health Agencies I	3 hrs
HSA 4191	Health Care Automation	3 hrs
Elective / Minor		3 hrs

Senior Year - Fall 15 hrs

HSA 3430	Health Care Economics	3 hrs
HSA 4184	Organization & Management for Health Agencies II	3 hrs
HIM 4508C	Quality Management	3 hrs
HSA 4702	Health Sciences Research Methods	3 hrs
Elective / Minor		3 hrs

Senior Year - Spring 15 hrs

HSA 4109	Principles of Managed Care	3 hrs
HSC 4564	Health Care Needs of the Elderly	3 hrs
HSC 4652	Health Law and Ethics	3 hrs
HSA 4939	Health Services Administration Capstone	3 hrs
HSA 4850	Health Services Administration Internship	3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

History (B.A.)

College of Arts and Humanities

Department of History, Colbourn Hall, Room: 551

<http://history.cah.ucf.edu/>

Email: history@ucf.edu

Dr. John Sacher, Chair

Phone: 407-823-2225

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required	AMH 2010	U.S. History: 1492-1877	3 hrs
Required	AMH 2020	U.S. History: 1877-Present	3 hrs
Select one course from 1.B.1 list			3 hrs

C: Mathematical Foundations (6 hrs)

Math:

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

or
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers: 3 hrs

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

AMH 2010	U.S. History: 1492-1877	GEP
AMH 2020	U.S. History: 1877-Present	GEP

UCF Degree Programs

3. Core Requirements: Basic Level (6 hrs)

Select one of the following sequences of courses:

- Select one sequence

EUH 2000	Western Civilization I and	3 hrs
EUH 2001	Western Civilization II	3 hrs
or		
WOH 2012	World Civilization I and	3 hrs
WOH 2022	World Civilization II	3 hrs

4. Core Requirements: Advanced Level (3 hrs)

HIS 4150	History and Historians	3 hrs

5. Restricted Electives (21 hrs)

- (Must be taken within the History Department)

Select six hours of approved history courses 18 hrs

within three of four geographic regions

Asian, African, and Middle Eastern	or	6 hrs
British and European	or	6 hrs
Latin American	or	6 hrs
U.S. and Canadian		6 hrs

- Select three hours of approved history courses

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in upper division required courses attempted.
- Submit a portfolio during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.
- Computer competency met by completion of the major.
- Students must complete at least 18 of the required 36 History credit hours at UCF.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Humanities

Certificates

- None

Related Minors

- African - American Studies
- Asian Studies
- Humanities
- Judaic Studies

- Latin American Area Studies
- Women's Studies
- American Studies
- Middle Eastern Studies

Advising Notes

- None

Transfer Notes

- Grades below "C" (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

¹ AMH 2010 U.S. History: 1492-1877 3 hrs

may be substituted with:

² AMH 2020 U.S. History: 1877-Present 3 hrs

may be substituted with:

¹ AMH 2010 is a prerequisite for subsequent American History courses.

² AMH 2020 is a prerequisite for subsequent American History courses.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 15 hrs

AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

Freshman Year - Spring 15 hrs

AMH 2020	U.S. History: 1877-Present	3 hrs
ENC 1102	Composition II	3 hrs
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Fall 16 hrs

SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs
GEP		3 hrs
Core Course		3 hrs
CGS 1060C	Introduction to Computers	3 hrs
Restricted Elective		3 hrs

Sophomore Year - Spring 16 hrs

SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs
Core Course		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Junior Year - Fall 15 hrs

HIS 4150	History and Historians	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Junior Year - Spring

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

Senior Year - Fall 15 hrs

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

Senior Year - Spring 13 hrs

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	4 hrs



Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Hospitality Management (B.S.)

Rosen College of Hospitality Management

Department of Hospitality Services,

9907 Universal Boulevard, Orlando, FL 32819

<http://www.hospitality.ucf.edu>

Email: hospitality@mail.ucf.edu

Dr. Fevzi Okumus, Department Chair

Dr. Abraham Pizam, Dean

Phone: 407-903-8000

Admission Requirements

■ None

Degree Requirements

■ None

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required MAC 1105C College Algebra 3 hrs

Select 1: 3 hrs

Required CGS 2100C Computer Fundamentals for Business or 3 hrs

Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs

Required ECO 2013 Principles of Macroeconomics or 3 hrs

Required ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs

Required PSY 2012 General Psychology or 3 hrs

Required SYG 2000 Introduction to Sociology or 3 hrs

Required ANT 2000 General Anthropology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. Core Requirements: Basic Level (34 hrs)

Hospitality Management Core 34 hrs

FSS 2221C Techniques of Food Preparation 4 hrs

HFT 3540 Guest Services Management I 3 hrs

HFT 2401 Hospitality Industry Financial Accounting 3 hrs

HFT 3431 Hospitality Industry Managerial Accounting 3 hrs

HFT 2500 Hospitality and Tourism Marketing 3 hrs

HFT 2220 Hospitality Human Resources Management 3 hrs

HFT 3444 Hospitality Information Systems 3 hrs

HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs

HFT 4464 Hospitality Industry Finance 3 hrs

HFT 4286 Hospitality Communications 3 hrs

HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

Quantitative Tools

MAC 1105C College Algebra GEP

Select 1:

CGS 2100C Computer Fundamentals for Business or GEP
 STA 2023 Statistical Methods I GEP

Select 1:

ECO 2013 Principles of Macroeconomics or GEP
 ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (21 hrs)

Sectoral Core (Choose 6 of the Following 7) 18 hrs

Select 6: 18 hrs

HFT 2254 Lodging Operations or 3 hrs

HFT 3700 Tourism Management or 3 hrs

HFT 2750 The Event Industry or 3 hrs

HFT 3263 Restaurant Management or 3 hrs

HFT 3273 Principles of Resort Timesharing or 3 hrs

HFT 4755 Theme Park and Attraction Management or 3 hrs

HFT 4277 Yacht, Country, And City Club Management 3 hrs

Internships 3 hrs

HFT 3940 Internship I 1 hr

HFT 4941 Internship II 1 hr

HFT 4944 Internship III 1 hr

5. Restricted Electives (15 hrs)

■ Students should select one of the following options to fulfill their hospitality management restricted elective requirement.

Restricted Electives 15 hrs

■ Students must take 15 credit hours (five courses) from the following:

FSS 3008 Culture and Cuisine 3 hrs

FSS 4135 Corporate Contract and Managed Services Organizations 3 hrs

FSS 4286C Catering and Banquet Organization 3 hrs

HFT 3353 Golf Planning & Operations I 3 hrs

HFT 3354 Agronomy for Golf Course Management 3 hrs

HFT 3355 Golf Planning & Operations II 3 hrs

HFT 3357 Golf & Club Event Operations 3 hrs

HFT 3384 Golf and Club Enterprises Management 3 hrs

HFT 3654 Franchising in the Restaurant Industry 3 hrs

HFT 3741 Meeting Management 3 hrs

HFT 3798 Fairs and Festivals 3 hrs

HFT 3868 History and Culture of Wine 3 hrs

HFT 4253 Advanced Lodging Operations 3 hrs

HFT 4266 Hospitality Brand Management 3 hrs

HFT 4268 Case Studies in Restaurant Management 3 hrs

HFT 4274 Resort Management 3 hrs

HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs

HFT 4343 Hospitality Facilities Management 3 hrs

HFT 4358 Golf & Club Facility Design 3 hrs

HFT 4432 Hospitality Industry Auditing 3 hrs

HFT 4473 Hospitality Development Analysis 3 hrs

HFT 4522 Resort Sales Tactics and Strategies 3 hrs

HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs

HFT 4561 Destination Marketing 3 hrs

HFT 4614 Risk Management in Theme Parks and Attractions 3 hrs

HFT 4735 Tourism Geography 3 hrs

HFT 4736 Destination Management 3 hrs

HFT 4754 Exhibit and Trade Show Operations 3 hrs

HFT 4759 Product Development in Theme Parks and Attractions 3 hrs

HFT 4762 Current Practices in the Airline Industry 3 hrs

HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry 3 hrs

HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs

HFT 4795 Entertainment Arts and Events 3 hrs

HFT 4796 International Events 3 hrs

HFT 4864 Seminar in Quality Brewing and Fine Beer 3 hrs

HFT 4866C Exploring Wines of the World 3 hrs

HFT 4894 International Gastronomy 3 hrs

HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

HFT 4795 Entertainment Arts and Events 3 hrs

HFT 4796 International Events 3 hrs

HFT 4864 Seminar in Quality Brewing and Fine Beer 3 hrs

HFT 4866C Exploring Wines of the World 3 hrs

HFT 4894 International Gastronomy 3 hrs

HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

Specialized Tracks 15 hrs

■ Or Students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

UCF Degree Programs

Theme Park and Attraction Management Track 15 hrs

HFT 4532	Managing the Employee Experience in the Theme Park and Attraction Industry or Risk Management in Theme Parks and Attractions or	3 hrs
HFT 4614	Product Development in Theme Parks and Attractions or	3 hrs
HFT 4759	Managing the Guest Experience in the Theme Park and Attraction Industry or Operational Issues in the Theme Park and Attraction Industry or	3 hrs
HFT 4787	Entertainment Arts and Events	3 hrs

Golf and Club Management Track 15 hrs

HFT 3353	Golf Planning & Operations I or	3 hrs
HFT 3354	Agronomy for Golf Course Management or	3 hrs
HFT 3355	Golf Planning & Operations II or	3 hrs
HFT 3357	Golf & Club Event Operations or	3 hrs
HFT 3384	Golf and Club Enterprises Management or	3 hrs
HFT 4358	Golf & Club Facility Design	3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

8. Electives

■ 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements

- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida College System students are encouraged to complete the general education requirements prior to transferring to UCF.

■ A minimum of 30 semester hours must be completed at UCF within the hospitality major.

■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

■ Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall 12 hrs

ENC 1101	Composition I	3 hrs
HFT 1000	Introduction to the Hospitality and Tourism Industry	3 hrs

Select 1: 3 hrs

CGS 2100C	Computer Fundamentals for Business or	3 hrs
STA 2023	Statistical Methods I	3 hrs

Select 1: 3 hrs

PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs

Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
MAC 1105C	College Algebra	3 hrs
HFT 2500	Hospitality and Tourism Marketing	3 hrs
ANT 2511	The Human Species	3 hrs

Sophomore Year - Fall 15 hrs

HFT 2220	Hospitality Human Resources Management	3 hrs
AST 2002	Astronomy	3 hrs

Select 1: 3 hrs

ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Select 1: 3 hrs

HFT 2254	Lodging Operations or	3 hrs
HFT 2750	The Event Industry	3 hrs

Sophomore Year - Spring 13 hrs

FSS 2221C	Techniques of Food Preparation	4 hrs
HFT 2401	Hospitality Industry Financial Accounting	3 hrs
HFT 2254	Lodging Operations	3 hrs
ANT 2511	The Human Species	3 hrs

Junior Year - Fall 14 hrs

HFT 3540	Guest Services Management I	3 hrs
HFT 3603	Legal Environment in the Hospitality and Tourism Industry	3 hrs
HFT 3431	Hospitality Industry Managerial Accounting	3 hrs
HFT 3940	Internship I	1 hr

Junior Year - Spring 16 hrs

HFT 4941	Internship II	1 hr

Select 4: 12 hrs

HFT 3444	Hospitality Information Systems or	3 hrs
HFT 2750	The Event Industry or	3 hrs
HFT 3700	Tourism Management or	3 hrs
HFT 3263	Restaurant Management or	3 hrs
HFT 3273	Principles of Resort Timesharing or	3 hrs
HFT 4755	Theme Park and Attraction Management or	3 hrs
HFT 4277	Yacht, Country, And City Club Management	3 hrs

Senior Year - Fall 15 hrs

HFT 4286	Hospitality Communications	3 hrs
HFT 4464	Hospitality Industry Finance	3 hrs
HFT 4944	Internship III	1 hr

Senior Year - Spring 15 hrs

HFT 4295	Leadership and Strategic Management in Hospitality Industry	3 hrs



Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$37.50 per term
- Full-Time Student: \$75 per term

Human Communication (B.A.)

College of Sciences

Nicholson School of Communication, NSC, Room: 143

<http://communication.cos.ucf.edu>

Dr. Jim Katt, Area Coordinator, james.katt@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu

Phone: 407-823-2681

Admission Requirements

- None

Degree Requirements

- Students who change degree programs (other than from COM Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students must consult with a school advisor
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

Select 1: (3 hrs)

Required	SPC 1608	Fundamentals of Oral Communication or	3 hrs
Required	SPC 1603C	Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Statistics: (3 hrs)

Required	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
Required	STA 2014C	Principles of Statistics	3 hrs

Math: (3 hrs)

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics or	3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam. 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (3 hrs)

Speech

SPC 1608	Fundamentals of Oral Communication or	GEP
SPC 1603C	Fundamentals of Technical Presentations	GEP

Statistics:

STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
STA 2014C	Principles of Statistics	GEP

Computer Science:

CGS 1060C	Introduction to Computers or	3 hrs
CGS 2100C	Computer Fundamentals for Business or	3 hrs
CGS 2585C	Desktop/Internet Publishing or	3 hrs
CGS 3175	Internet Applications	3 hrs

4. Core Requirements: Advanced Level (12 hrs)

Take all of the following: 12 hrs

COM 3011C	Communication and Human Relations and	3 hrs
COM 3120	Organizational Communication and	3 hrs
COM 3311	Communication Research Methods and	3 hrs
SPC 3301	Interpersonal Communication	3 hrs

5. Restricted Electives (27 hrs)

Internal Restricted Electives: 21 hrs

■ Select from the following list:		
COM 3013	Communication and the Family	3 hrs
COM 3022	Health Communication	3 hrs
COM 3110	Business and Professional Communication	3 hrs
COM 3332	Communication, Technology, and Change	3 hrs
COM 3406	Role of Motivation in Communication	3 hrs
COM 4014	Gender Issues in Communication	3 hrs
COM 4416	Terrorism and Communication	3 hrs
COM 4461	Intercultural Communication	3 hrs
COM 4462	Conflict Management	3 hrs
SPC 3445	Leadership Through Oral Communication	3 hrs
SPC 3513C	Argumentation and Debate	3 hrs
SPC 4331	Nonverbal Communication	3 hrs
SPC 4426	Group Dynamics	3 hrs
SPC 4540	Attitudes and Communication	3 hrs

A maximum of 6 credits of any combination of the following can be used as an Internal

Restricted Elective:

COM 4941	Internship or	3 hrs
COM 4906	Directed Independent Study or	3 hrs
SPC X949	Coop or	
COM X949	Coop	

Select 1: (3 hrs)

ENC 3315	Argumentative Writing or	3 hrs
ENC 3311	Essay as Cultural Commentary or	3 hrs
ENC 3250	Professional Writing or	3 hrs
ENC 3314	Writing in the University or	3 hrs
ENC 3241	Writing for the Technical Professional or	3 hrs
Other upper division COM or SPC courses with prior approval of department advisor.		3 hrs

External Restricted Electives 6 hrs

- A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Human Communication area (i.e. Advertising - Public Relations, Journalism, or Radio - Television).

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

8. Electives

- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

9. Additional Requirements

- None

10. Required Minors

- None

UCF Degree Programs

11. Departmental Exit Requirements

- Achieve a "C" (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- Human Communication
- Mass Communication

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
 - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Acceptable Substitutes for Transfer Courses**
- None
- Plan of Study**
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
 - Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
 - Before registering for Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>

Freshman Year - Fall	13 hrs
ENC 1101 Composition I	3 hrs
GEP-Math	3 hrs
GEP	3 hrs
Foreign Language	4 hrs

Freshman Year - Spring	13 hrs
ENC 1102 Composition II	3 hrs
SPC 1608 Fundamentals of Oral Communication	3 hrs
STA 2014C Principles of Statistics	3 hrs
Foreign Language	4 hrs

Sophomore Year - Fall	15 hrs
Core-Computer Science	3 hrs
GEP	3 hrs
GEP	3 hrs
GEP	3 hrs
Elective (Consider a minor)	3 hrs

Sophomore Year - Spring	15 hrs
COM 3311 Communication Research Methods	3 hrs
COM 3011C Communication and Human Relations	3 hrs
GEP	3 hrs
GEP	3 hrs
Elective (Consider a minor)	3 hrs

Junior Year - Fall	15 hrs
SPC 3301 Interpersonal Communication	3 hrs
COM 3120 Organizational Communication	3 hrs
Restricted Elective	3 hrs
Elective (Consider a minor)	3 hrs
GEP	3 hrs

Junior Year - Spring	15 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Elective (Consider a minor)	3 hrs
Elective (Consider a minor)	3 hrs
External Restricted Elective	3 hrs

Junior Year - Summer	9 hrs
Restricted Elective-Internship	3 hrs
Elective (Consider a minor)	3 hrs
Elective (Consider a minor)	3 hrs

Senior Year - Fall	15 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Elective (Consider a minor)	3 hrs
Elective (Consider a minor)	3 hrs
Elective (Consider a minor)	3 hrs

Senior Year - Spring	10 hrs
Restricted Elective	3 hrs
Elective (Consider a minor)	3 hrs
Elective (Consider a minor)	4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Humanities (B.A.)

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

<http://philosophy.cah.ucf.edu/>

Email: philosophy2@ucf.edu

Dr. Harry Coverston

Phone: 407-823-2273

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a C (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses used to fulfill another major may be simultaneously applied to the B.A. in Humanities.

1. UCF General Education Program (GEP)	(36 hrs)
A: Communication Foundations	(9 hrs)
B: Cultural & Historical Foundations	(9 hrs)
Suggested HUM 2210 Humanistic Tradition I	3 hrs
Suggested HUM 2230 Humanistic Tradition II	3 hrs

Select 1:	3 hrs
Prefer PHI 2010 Introduction to Philosophy or	3 hrs
Prefer REL 2300 World Religions	3 hrs



C: Mathematical Foundations (6 hrs)

Math

Suggested	MGF 1107	Explorations in Mathematics	3 hrs
		or	
Suggested	MGF 1106	Finite Mathematics or	3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.			

Statistics-Computers 3 hrs

Select a course from GEP C.2 list	3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (6 hrs)

HUM 2210	Humanistic Tradition I	GEP
HUM 2230	Humanistic Tradition II	GEP
HUM 2020	Encountering the Humanities	3 hrs
HUM 4933	Senior Research Seminar	3 hrs

4. Core Requirements: Advanced Level (24 hrs)

- Concentrations (choose one):

■ Note: Appropriate new or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

Classical Humanities 24 hrs

Western Traditions and Applications 9 hrs

ARH 4310	Italian Renaissance Art or	3 hrs
ARH 4170	Greek & Roman Art or	3 hrs
REL 3403	Christianity or	3 hrs
REL 3320	Moses, Jesus and Muhammad or	3 hrs
CLT 3370	Classical Mythology or	3 hrs
CLT 3378	Comparative Mythology or	3 hrs
JST 3401	Jewish People in Antiquity or	3 hrs
REL 3432	Roots of Western Mysticism or	3 hrs
¹ PHH 3100	Ancient Philosophy or	3 hrs
¹ PHH 3200	Medieval Philosophy or	3 hrs
¹ PHH 3460	Modern Western Philosophy	3 hrs

World Intellectual Traditions 6 hrs

ANT 3245	Native American Religions or	3 hrs
HUM 3401	Asian Humanities or	3 hrs
REL 3333	Hinduism or	3 hrs
REL 3363	Islam or	3 hrs
HUM 3460	Latin American Humanities or	3 hrs
PHI 3790	African Philosophy or	3 hrs
PHP 3781	African-American Philosophy or	3 hrs
REL 3340	Buddhist Thought	3 hrs

Foundations 3 hrs

HUM 4301	The Classical Ideal	3 hrs

Select 2: 6 hrs

HUM 3431	Ancient Humanities or	3 hrs
HUM 3435	Medieval Humanities or	3 hrs
HUM 3255	Modern Humanities	3 hrs

¹ Only one of these courses may be taken.

Multicultural Humanities 24 hrs

Traditions and Applications 15 hrs

ANT 3311	Indians of the Southeastern United States or	3 hrs
ARH 3520	African Art or	3 hrs
HUM 3401	Asian Humanities or	3 hrs
REL 3333	Hinduism or	3 hrs
REL 3363	Islam or	3 hrs
REL 3320	Moses, Jesus and Muhammad or	3 hrs
HUM 3460	Latin American Humanities or	3 hrs
JST 3401	Jewish People in Antiquity or	3 hrs
PHH 3701	Native American Philosophy or	3 hrs
PHM 3123	Feminist Theories or	3 hrs
PHI 3790	African Philosophy or	3 hrs
HUM 4823	Queer Theory in the Humanities	3 hrs

Foundations 3 hrs

HUM 3320	Contemporary Multicultural Studies	3 hrs

Select 1: 3 hrs

HUM 3431	Ancient Humanities or	3 hrs
HUM 3435	Medieval Humanities	3 hrs

Select 1: 3 hrs

HUM 3252	Contemporary Humanities or	3 hrs
HUM 3255	Modern Humanities	3 hrs

Critical Humanities 24 hrs

Foundations 9 hrs

HUM 3255	Modern Humanities and	3 hrs
HUM 3252	Contemporary Humanities and	3 hrs
PHI 4804	Critical Theory	3 hrs

Traditions and Applications 15 hrs

HUM 4330	Performance Theory or	3 hrs
HUM 3394	Representations of Place and Space or	3 hrs
PHH 3510	Marx and Nietzsche or	3 hrs
PHI 3638	Ethical Issues in the 21st Century or	3 hrs
PHI 3033	Philosophy, Religion, and the Environment or	3 hrs
PHM 3022	Sexuality, Gender & Philosophy or	3 hrs
PHM 3123	Feminist Theories or	3 hrs
PHP 3786	Existentialism or	3 hrs
PHP 4782	Phenomenology or	3 hrs
REL 3111	Religion and Philosophy Through Film or	3 hrs
REL 3115	Religion, Spirituality, and Popular Music or	3 hrs
HUM 4823	Queer Theory in the Humanities	3 hrs

5. Restricted Electives (3 hrs)

- Select one course from the 'Traditions and Applications' category in the concentrations that are not being used to satisfy Core Requirements, or other courses as approved by advisor.

Select 1: 3 hrs

PHI 3700	Philosophy of Religion or	3 hrs
PHI 3800	Aesthetics or	3 hrs
Or other courses as approved by advisor		3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a "C" (2.0) or better in each required course.
- Departmental Exit Exam in each semester.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:

HUM 4970H	Undergraduate Honors Thesis	3 hrs
HUM 4933	Senior Research Seminar	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

UCF Degree Programs

Total Semester Hours Required

- 120

Honors In Major

(33 hrs)

■ Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

Honors Thesis

HUM 4903H	Honors Directed Reading I	3 hrs
HUM 4970H	Undergraduate Honors Thesis	3 hrs

Additional Requirements

- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a "B" (3.0) or better in both of the following:

HUM 4903H	Honors Directed Reading I	3 hrs
HUM 4970H	Undergraduate Honors Thesis	3 hrs

Core and Elective Requirements

33 hrs

- Same requirements as for regular majors.

Related Programs

- Humanities - Philosophy, Religion, & Popular Culture Track
- Philosophy
- Religion and Cultural Studies

Certificates

- None

Related Minors

- Environmental Studies
- Humanities
- Philosophy
- Religion and Cultural Studies

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall

16 hrs

ENC 1101	Composition I	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
HUM 2020	Encountering the Humanities	3 hrs
	Foreign Language	4 hrs

Freshman Year - Spring

16 hrs

ENC 1102	Composition II	3 hrs
HUM 2230	Humanistic Tradition II	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
	Foreign Language	4 hrs

Select 1:

3 hrs

REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs

Sophomore Year - Fall

12 hrs

GEP		3 hrs
GEP		3 hrs
GEP		3 hrs
Restricted Elective		3 hrs

Sophomore Year - Spring

15 hrs

GEP		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs

Junior Year - Fall

15 hrs

Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs
Supporting Elective		3 hrs

Junior Year - Spring

15 hrs

Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs
Supporting Elective		3 hrs

Senior Year - Fall

15 hrs

Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Senior Year - Spring

16 hrs

HUM 4933	Senior Research Seminar	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Full-Time Student:

Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

<http://philosophy.cah.ucf.edu/>

Email: philosophy2@ucf.edu

Dr. Harry Coverston, Harry.Coverston@ucf.edu, 407-823-2273

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP)

(36 hrs)

A: Communication Foundations

(9 hrs)

B: Cultural & Historical Foundations

(9 hrs)

Suggested	HUM 2210	Humanistic Tradition I	3 hrs
Suggested	HUM 2230	Humanistic Tradition II	3 hrs

Select 1:

3 hrs

Suggested	REL 2300	World Religions or	3 hrs
Suggested	PHI 2010	Introduction to Philosophy	3 hrs



C: Mathematical Foundations (6 hrs)

Math			6 hrs
Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics or	3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers		3 hrs
Select a course from GEP C.2 list		3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level

HUM 2210	Humanistic Tradition I	GEP
HUM 2230	Humanistic Tradition II	GEP
PHI 2010	Introduction to Philosophy	GEP

4. Core Requirements: Advanced Level (18 hrs)

Core Requirements

Theoretical Foundations		6 hrs
PHI 3684	Ways of Living and	3 hrs
PHI 4341	Ways of Knowing	3 hrs

Philosophy 6 hrs

PHI 3670	Ethical Theory or	3 hrs
PHI 3700	Philosophy of Religion or	3 hrs
PHI 4804	Critical Theory or	3 hrs
PHI 4300	Theories of Knowledge or	3 hrs
PHI 2108	Critical Thinking or	3 hrs
PHI 3720	Faith and Reason or	3 hrs
PHM 3100	Freedom and Justice or	3 hrs
PHI 3800	Aesthetics or	3 hrs
PHP 3786	Existentialism	3 hrs

Religion 6 hrs

CLT 3378	Comparative Mythology or	3 hrs
REL 3403	Christianity or	3 hrs
REL 3320	Moses, Jesus and Muhammad or	3 hrs
REL 3333	Hinduism or	3 hrs
REL 3363	Islam or	3 hrs
PHI 3750	The Problem of Evil	3 hrs

Popular Culture Studies 12 hrs

Contemporary Media 6 hrs

HUM 3320	Contemporary Multicultural Studies or	3 hrs
HUM 4330	Performance Theory or	3 hrs
PHI 3625	Virtual Ethics or	3 hrs
PHI 4931	Philosophy in the News or	3 hrs
POS 3235	Mass Media and Politics or	3 hrs
POS 3258	Politics in Film or	3 hrs
REL 3115	Religion, Spirituality, and Popular Music or	3 hrs
REL 3111	Religion and Philosophy Through Film or	3 hrs
SYP 3630	Popular Culture In Society	3 hrs

Contemporary Forms of Life 6 hrs

ANT 3302	Sex, Gender and Culture or	3 hrs
HUM 3252	Contemporary Humanities or	3 hrs
PHM 3022	Sexuality, Gender & Philosophy or	3 hrs
PHI 3629	Family Values or	3 hrs
PHI 3033	Philosophy, Religion, and the Environment or	3 hrs
PHM 3401	Philosophy of Law or	3 hrs
PHI 3638	Ethical Issues in the 21st Century or	3 hrs
PHM 3020	Philosophy of Love or	3 hrs
PHM 3123	Feminist Theories or	3 hrs
PHI 4321	Philosophies of Embodiment: Mind/Body/ Self or	3 hrs
REL 3130	Religion in America or	3 hrs
HUM 4823	Queer Theory in the Humanities	3 hrs

5. Restricted Electives

- None

6. Capstone Requirements (3 hrs)

HUM 4933	Senior Research Seminar	3 hrs

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Departmental Exit Exam in final semester.
- Earn a "C" (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:

HUM 4970H	Undergraduate Honors Thesis	3 hrs
HUM 4933	Senior Research Seminar	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

a. Core Requirements, Popular Culture and Capstone 33 hrs

- Same requirements as for regular majors

b. Honors Thesis 6 hrs

HUM 4903H	Honors Directed Reading I	3 hrs
HUM 4970H	Undergraduate Honors Thesis	3 hrs

c. Additional Requirements of Honors in the Major

- Application and admission through the Humanities Honors Coordinator
- Fulfill University requirements for Honors in the Major
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
- Successful completion and oral defense of Honors thesis
- No more than 2 courses (i.e., 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities: Philosophy, Religion & Popular Culture may be simultaneously applied to fulfill another major.
- Earn a "B" (3.0) or better in both of the following:

HUM 4903H	Honors Directed Reading I	3 hrs
HUM 4970H	Undergraduate Honors Thesis	3 hrs

Related Programs

- Humanities
- Philosophy
- Religion and Cultural Studies

UCF Degree Programs

Certificates

- None

Related Minors

- Digital Humanities
- Philosophy
- Religion and Cultural Studies

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student:
- Full-Time Student:

Industrial Engineering (B.S.I.E.)

College of Engineering and Computer Science

Department of Industrial Engineering and Management Systems, Engineering II, Room: 312

<http://www.iems.ucf.edu/>

Dr. William Thompson, william.thompson@ucf.edu, 407-823-2204

Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program (GEP) (38 hrs)

- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)

- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs

- Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
- Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Select one class from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)

- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in this section.

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

- ¹ MAC 2311C Calculus with Analytic Geometry I GEP
- ¹ MAC 2312 Calculus with Analytic Geometry II 4 hrs
- ¹ MAC 2313 Calculus with Analytic Geometry III 4 hrs
- ¹ MAP 2302 Ordinary Differential Equations I 3 hrs
- ¹ PHY 2048C Physics for Engineers & Scientists I GEP
- ¹ PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1: 4 hrs

- ² CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- or
- ¹ CHM 2045C Chemistry Fundamentals I 4 hrs

¹ A 2.0 cumulative GPA or better is required for this course.

² Preferred

3. Core Requirements: Basic Level (2 hrs)

Engineering Core: Basic

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (59 hrs)

Courses Required for the Major 59 hrs

- The Industrial Engineering and Management Systems department requires all students within the major to achieve a "C" (2.0) GPA or better in all courses in this section with a prefix of EIN, ESI and STA.

- EGN 4624 Engineering Administration 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EIN 3314 Work Analysis and Design 3 hrs
- ESI 4628C Industrial Engineering Applications of Computers 3 hrs
- EIN 4243C Human Engineering 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4364 Facilities Planning 3 hrs
- EIN 4391 Manufacturing Engineering 3 hrs
- ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
- ESI 4234 Quality Engineering 3 hrs
- ESI 4312 Operations Research 3 hrs
- ESI 4523C Systems Simulation 3 hrs
- EIN 4517 Systems Engineering 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- ¹ COP 3223 Introduction to Programming with C 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr
- MAS 3105 Matrix and Linear Algebra 4 hrs
- EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs



Select 1:		3 hrs
EGN 3358	Thermo-Fluids-Heat Transfer or	3 hrs
EGN 3343	Thermodynamics	3 hrs

¹ Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

5. Restricted Electives (7 hrs)

■ Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements (3 hrs)

EIN 4891C	Industrial Engineering Senior Design Project	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 128

Honors In Major

■ None

Related Programs

■ Mechanical Engineering

Certificates

■ None

Related Minors

■ None

Advising Notes

■ None

Transfer Notes

■ Courses taken from Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.

■ Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

■ EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to area 5. Restricted Electives.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (128 hrs)

■ Tentative Course Schedule for Entering Freshmen:

The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs

ENC 1101	Composition I	3 hrs
EGN 1006C	Introduction to the Engineering Profession	1 hr
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
CHS 1440	Fundamentals of Chemistry for Engineers	4 hrs

Freshman Year - Spring 12 hrs

ENC 1102	Composition II	3 hrs
EGN 1007C	Engineering Concepts and Methods	1 hr
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs

Freshman Year - Summer 9 hrs

COP 3223	Introduction to Programming with C	3 hrs

Select 1: 3 hrs

ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Select 1 3 hrs

SPC 1603C	Fundamentals of Technical Presentations or	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

Sophomore Year - Fall 15 hrs

MAC 2313	Calculus with Analytic Geometry III	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs
EIN 2002	Introduction to Industrial Engineering and Management Systems	1 hr
GEP		3 hrs

Sophomore Year - Spring 13 hrs

MAP 2302	Ordinary Differential Equations I	3 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
MAS 3105	Matrix and Linear Algebra	4 hrs
EIN 3351	Engineering Economic Analysis and Cost Engineering	3 hrs

Sophomore Year - Summer 9 hrs

GEP		3 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs
GEP		3 hrs

Junior Year - Fall 12 hrs

EIN 3314	Work Analysis and Design	3 hrs
ESI 4312	Operations Research	3 hrs
ESI 4628C	Industrial Engineering Applications of Computers	3 hrs
ESI 4234	Quality Engineering	3 hrs

Junior Year - Spring 12 hrs

ESI 4221	Empirical Methods for Industrial Engineering	3 hrs
EIN 4333	Production and Distribution Systems	3 hrs
EIN 4391	Manufacturing Engineering	3 hrs
EIN 4243C	Human Engineering	3 hrs

Junior Year - Summer 9 hrs

GEP		3 hrs
GEP		3 hrs
EGN 3343	Thermodynamics	3 hrs

Senior Year - Fall 13 hrs

Restricted Elective		4 hrs
EGN 4624	Engineering Administration	3 hrs
ESI 4523C	Systems Simulation	3 hrs
EIN 4364	Facilities Planning	3 hrs

Senior Year - Spring 12 hrs

EIN 4891C	Industrial Engineering Senior Design Project	3 hrs
GEP		3 hrs
EGN 3373	Principles of Electrical Engineering	3 hrs
EIN 4517	Systems Engineering	3 hrs

UCF Degree Programs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oemas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$38 per term
- Full-Time Student: \$77 per term

Information Technology (B.S.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,
Room: 346

<http://www.eecs.ucf.edu/>

Email: undergraduate@eecs.ucf.edu

Dr. Ali Orooji

Julie Faris

Phone: 407-823-3327

Admission Requirements

- None

Degree Requirements

- "C" (2.0) or better required in all prerequisites and courses required for the major.
- Students should consult with a departmental advisor.
- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the Department of EECS at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

Select 1: (3 hrs)

Prefer	SPC 1603C	Fundamentals of Technical Presentations or	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required	STA 2023	Statistical Methods I	3 hrs

Select 1: (3 hrs)

Suggested	MAC 1105C	College Algebra or	3 hrs
Suggested	MAC 1140	Pre-Calculus Algebra	3 hrs

D: Social Foundations (6 hrs)

Required	ECO 2013	Principles of Macroeconomics	3 hrs
Required	PSY 2012	General Psychology	3 hrs

E: Science Foundations (7 hrs)

Required	PHY 2053C	College Physics I	4 hrs
Select one class from Science Foundations			3 hrs

2. Common Program Prerequisites (CPP) (15 hrs)

- A "C" (2.0) or better is required in all these courses.

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

MAC 1114C	College Trigonometry	3 hrs
ECO 2013	Principles of Macroeconomics	GEP
PSY 2012	General Psychology	GEP
PHY 2053C	College Physics I	GEP
COP 3223	Introduction to Programming with C	3 hrs
COP 3330	Object Oriented Programming	3 hrs
CGS 2545C	Database Concepts	3 hrs
STA 2023	Statistical Methods I	GEP

Select 1: (3 hrs)

MAD 2104	Foundations of Discrete Math or	3 hrs
COT 3100C	Introduction to Discrete Structures	3 hrs

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (52 hrs)

- A "C" (2.0) or better is required in all these courses.

Core Requirements (46 hrs)

COP 3502C	Computer Science I	3 hrs
CIS 3360	Security in Computing	3 hrs
CAP 4104	Human and Technology Interaction	3 hrs
CGS 3269	Computer Architecture Concepts	3 hrs
CNT 3004	Computer Network Concepts	3 hrs
CIS 3003	Fundamentals of Information Technology	3 hrs
CIS 4313	Managing IT Integration	3 hrs
CNT 4714	Enterprise Computing	3 hrs
CIS 4004	Web-Based Information Technology	3 hrs
CNT 4703C	Design and Implementation of Computer Communication Networks	3 hrs
COP 4910	Frontiers in Information Technology	3 hrs
PHI 3626	Advanced Ethics in Science and Technology	3 hrs
CGS 3763	Operating System Concepts	3 hrs
CNT 4603	System Administration and Maintenance	3 hrs
PHY 2054C	College Physics II	4 hrs

Support Courses (6 hrs)

- A "C" (2.0) or better is required in all these courses.

Select 1: (3 hrs)

ENC 4293	Documentation and the Collaborative Process or	3 hrs
ENC 4265	Writing for the Computer Industry or	3 hrs
ENC 4414	Writing and Hypertext or	3 hrs
ENC 4415	Digital Rhetorics and The Modern Dialectic	3 hrs

Select 1: (3 hrs)

ENC 3241	Writing for the Technical Professional or	3 hrs
ENC 3211	Theory and Practice of Technical Writing or	3 hrs
ENC 3250	Professional Writing	3 hrs

5. Restricted Electives (6 hrs)

- Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs.

- A "C" (2.0) or better is required in all these courses.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Complete an exit interview with an assigned faculty advisor

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Computer Engineering
- Computer Science



Certificates

- None

Related Minors

- Computer Science
- Interdisciplinary Informatics Technology
- Secure Computing and Networks

Advising Notes

- None

Transfer Notes

- Grades below "C" (2.0) are not accepted
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 12 hrs

ENC 1101	Composition I	3 hrs
SPC 1603C	Fundamentals of Technical Presentations	3 hrs
COP 3223	Introduction to Programming with C	3 hrs

Select 1: 3 hrs

MAC 1105C	College Algebra or	3 hrs
MAC 1140	Pre-Calculus Algebra	3 hrs

Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
MAC 1114C	College Trigonometry	3 hrs
COP 3502C	Computer Science I	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
PSY 2012	General Psychology	3 hrs

Sophomore Year - Fall 16 hrs

MAD 2104	Foundations of Discrete Math	3 hrs
COP 3330	Object Oriented Programming	3 hrs
PHY 2053C	College Physics I	4 hrs
CIS 3003	Fundamentals of Information Technology	3 hrs
GEP		3 hrs

Sophomore Year - Spring 15 hrs

CGS 3269	Computer Architecture Concepts	3 hrs
STA 2023	Statistical Methods I	3 hrs
CGS 2545C	Database Concepts	3 hrs
GEP		3 hrs

Junior Year - Fall 16 hrs

CAP 4104	Human and Technology Interaction	3 hrs
PHY 2054C	College Physics II	4 hrs
CNT 3004	Computer Network Concepts	3 hrs
CIS 3360	Security in Computing	3 hrs

Select 1: 3 hrs

ENC 3241	Writing for the Technical Professional or	3 hrs
ENC 3211	Theory and Practice of Technical Writing or	3 hrs
ENC 3250	Professional Writing	3 hrs

Junior Year - Spring 15 hrs

CIS 4313	Managing IT Integration	3 hrs
PHI 3626	Advanced Ethics in Science and Technology	3 hrs
GEP		3 hrs
CGS 3763	Operating System Concepts	3 hrs

Select 1: 3 hrs

ENC 4265	Writing for the Computer Industry or	3 hrs
ENC 4293	Documentation and the Collaborative Process or	3 hrs
ENC 4414	Writing and Hypertext or	3 hrs
ENC 4415	Digital Rhetorics and The Modern Dialectic	3 hrs

Senior Year - Fall 16 hrs

CNT 4703C	Design and Implementation of Computer Communication Networks	3 hrs
CIS 4004	Web-Based Information Technology	3 hrs
Restricted Elective		3 hrs
Free Elective		4 hrs
CNT 4603	System Administration and Maintenance	3 hrs

Senior Year - Spring

Senior Year - Spring		15 hrs
Restricted Elective		3 hrs
Free Elective		4 hrs
COP 4910	Frontiers in Information Technology	3 hrs
CNT 4714	Enterprise Computing	3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$9 per term
- Full-Time Student: \$18 per term

Interdisciplinary Studies (B.A. / B.S.)

Office of Undergraduate Studies

Office of Interdisciplinary Studies,

Classroom I, Room: 302

<http://www.is.ucf.edu>

Email: is@ucf.edu

Phone: 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser. The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via online courses. For more information, see <http://online.ucf.edu/>.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
 - Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
 - Co-op credit cannot be used in this major.
 - Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internship will not be counted towards the major.
 - Students must earn at least a "C" (2.0) in each core and restricted elective course.
 - Students must consult with an Interdisciplinary Studies adviser to enter the program.
 - Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
 - No courses can count in more than one subject area or in a subject area and a minor.
 - Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.
- 1. UCF General Education Program (GEP) (36 hrs)**
- A: Communication Foundations (9 hrs)**
- B: Cultural & Historical Foundations (9 hrs)**
- C: Mathematical Foundations (6 hrs)**
- D: Social Foundations (6 hrs)**

UCF Degree Programs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (6 hrs)

- IDS 3933 Cornerstone Experience 3 hrs
- IDS 4934 Capstone Experience 3 hrs

4. Core Requirements: Advanced Level

- None

5. Restricted Electives (30 hrs)

- Students must complete two different subject area concentrations from among those specified below.
- Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies adviser and not simply when they appear on a student audit.
- Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.
- See the Interdisciplinary Studies Advising Team for details regarding each area:
- Arts
- Behavioral and Social Sciences
- Commerce
- Communication
- Computational Sciences
- Education
- Engineering
- Health
- Humanities
- Letters and Modern Languages
- Physical Sciences
- Life/Biomedical Sciences
- Public Affairs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- BA: Met by graduation requirement.
- BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- Note: Students entering without having met the admission requirements must do so in order to graduate.

Graduation

- BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
- BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses, with an Interdisciplinary Studies adviser's approval.

9. Additional Requirements

- None

10. Required Minors

- Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

11. Departmental Exit Requirements

- A grade of "C" or above (2.0) is required for each course in the core and restricted electives.
- Computer Competency met by completing this major.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women's Studies Track

Certificates

- None

Related Minors

- Most UCF minors

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Interdisciplinary Studies - Environmental Studies Track (B.S.)

Office of Undergraduate Studies

Office of Interdisciplinary Studies, Classroom Building I, Room: 302

<http://www.is.ucf.edu>

Email: is@ucf.edu

Phone: 407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major.



- Co-op credit cannot be used in the major.
- Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas.
- Students must consult with an Interdisciplinary Studies adviser when entering the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

¹ Required	MAC 1105C	College Algebra	3 hrs
Required	STA 2023	Statistical Methods I	3 hrs

¹ may take a higher level math

D: Social Foundations (6 hrs)

Required	SYG 2000	Introduction to Sociology	3 hrs
Required	ECO 2023	Principles of Microeconomics	3 hrs

E: Science Foundations (8 hrs)

Required	BSC 2010C	Biology I	4 hrs
Required	CHM 2045C	Chemistry Fundamentals I	4 hrs

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (11 hrs)

- Core for Environmental Studies:

Physical/Mathematical Sciences

CHM 2045C	Chemistry Fundamentals I	GEP
MAC 1105C	College Algebra	GEP
PSC 1121	Physical Science	3 hrs
STA 2023	Statistical Methods I	GEP

Life Sciences

BSC 2010C	Biology I	GEP
BSC 2011C	Biology II	4 hrs
PCB 3044	Principles of Ecology	3 hrs
PCB 3044L	Principles of Ecology Laboratory	1 hr

Social Science & Humanities

SYG 2000	Introduction to Sociology	GEP
ECO 2023	Principles of Microeconomics	GEP

4. Core Requirements: Advanced Level (19 hrs)

Environmental Studies Fundamentals

IDS 3150	Foundations of Environmental Studies	3 hrs
ECP 3302	Economics and the Environment	3 hrs
GIS 3043C	GIS for Environmental Studies	3 hrs
GIS 4301C	Advanced GIS Applications in Environmental Studies	4 hrs
PUP 3203	Environmental Politics	3 hrs
SYD 4510	Environment and Society	3 hrs

5. Restricted Electives (18 hrs)

- Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.
- Select eighteen hours in one concentration.

Science Concentration

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

BCH 4053	Biochemistry I	3 hrs
BCH 4054	Biochemistry II	3 hrs
BOT 3152C	Local Flora	3 hrs
BOT 3802	Ethnobotany	3 hrs
BOT 4303C	Plant Kingdom	5 hrs
BOT 4713C	Plant Taxonomy	5 hrs
BSC 4312C	Advanced Marine Biology	4 hrs

CHM 3120	Analytical Chemistry	3 hrs
OCE 3008	Oceanography	3 hrs
PCB 3063	Genetics	3 hrs
PCB 3442	Aquatic Ecology	3 hrs
PCB 4683	Evolutionary Biology	4 hrs
PCB 4723	Animal Physiology	4 hrs
PCB 5045	Conservation Biology	4 hrs
PCB 5326C	Ecosystems of Florida	5 hrs

Values, Planning, & Policy Concentration

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

ANT 3541	Biobehavioral Anthropology	3 hrs
BOT 3802	Ethnobotany	3 hrs
ECP 4303	Environmental and Natural Resource Economics	3 hrs
ENC 3211	Theory and Practice of Technical Writing	3 hrs
ENC 3241	Writing for the Technical Professional	3 hrs
ENC 4360	Nature Writing	3 hrs
INR 4351	International Environmental Law	3 hrs
PAD 3330	Urban and Regional Planning	3 hrs
PAD 4351	Issues in Environmental Program Management	3 hrs
PHI 3033	Philosophy, Religion, and the Environment	3 hrs
PHI 3640	Environmental Ethics	3 hrs
PHI 4400	Philosophy of Science	3 hrs
PHI 4633	Ethics and Biological Science	3 hrs
PHM 4031	Environmental Philosophy	3 hrs
PLA 4554	Environmental Law	3 hrs
PUP 3204	Sustainability	3 hrs
PUP 4209	Urban Environmental Policy	3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation

- Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses, with adviser approval

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A grade of "C" or above (2.0) is required for each course taken in the subject areas and core
- Computer Competency is met by completing this major

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Environmental Engineering
- Political Science
- Economics



UCF Degree Programs

Certificates

- None

Related Minors

- All minors

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Interdisciplinary Studies - Women's Studies Track (B.A.)

Office of Undergraduate Studies

Office of Interdisciplinary Studies,

Classroom Building I, Room: 302

Program in Women's Studies, Colbourn Hall, Room: 411

<http://www.is.ucf.edu>

Email: is@ucf.edu

Email: womenst@ucf.edu

Interdisciplinary Studies Advising Team, 407-823-0144

Dr. M.C. Santana, 407-823-2260

Phone: 407-823-0144

Interdisciplinary Studies - Women's Studies track is a broadly based interdisciplinary curriculum that leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women's Studies Program in the College of Arts and Humanities.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major - Women's Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in this track.
- Students must earn at least a "C" (2.0) in each restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level

- None

5. Restricted Electives (36 hrs)

- Students must complete either the Womanist/Women of Color subject area or the Women's Studies Cognate subject area to satisfy the First Study Area.
- Students must complete one subject area from those specified in the Second Study Area below.
- Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
- Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined

First Study Area - Womanist/Women of Color 18 hrs Area

- Take 18 hours from either the Womanist/Women of Color Area or from the Women's Studies Cognate Area
- | | | |
|----------|--------------------------|-------|
| WST 3460 | Women, Race and Struggle | 3 hrs |
|----------|--------------------------|-------|

Select 5: 15 hrs

AML 3614	Topics in African-American Literature or	3 hrs
ASH 4304	Women in China or	3 hrs
AML 3682	Ethnic Literature in America	3 hrs
- Other courses approved by the Interdisciplinary Studies Advising Team

First Study Area - Women's Studies Cognate 18 hrs Area

- Take 18 hours from either the Womanist/Women of Color Area or from the Women's Studies Cognate Area

Select 6: 18 hrs

- Other courses may be utilized for this area with the permission of the director.
 - Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women's Studies Director, some courses may substitute.
- | | | |
|----------|---|-------|
| AML 3614 | Topics in African-American Literature or | 3 hrs |
| AML 3682 | Ethnic Literature in America or | 3 hrs |
| AML 4261 | Literature of the South or | 3 hrs |
| ANT 3212 | Peoples of the World or | 3 hrs |
| CCJ 4129 | Cultural Diversity in Criminal Justice or | 3 hrs |
| CCJ 4681 | Domestic Violence and the Justice System | 3 hrs |
| | or | |
| EUH 3242 | Modern Europe and the First World War or | 3 hrs |
| HSC 3593 | HIV Disease: A Human Concern or | 3 hrs |
| LIT 5556 | Advanced Feminist Theories or | 3 hrs |
| LIN 4643 | Cross Cultural Communication or | 3 hrs |
| PEM 2405 | Self Defense for Women and Men or | 3 hrs |
| PHI 3640 | Environmental Ethics or | 3 hrs |
| PHI 3670 | Ethical Theory or | 3 hrs |
| PHI 4300 | Theories of Knowledge or | 3 hrs |
| PUP 3314 | Minorities in American Politics or | 3 hrs |
| SOP 2772 | Sexual Behavior or | 3 hrs |
| SOP 3784 | Psychology of Diversity or | 3 hrs |
| SYD 3700 | Race and Ethnicity or | 3 hrs |
| SYO 4100 | Family Trends or | 3 hrs |
| SYO 4200 | Religion in Society or | 3 hrs |
| SYP 3630 | Popular Culture In Society or | 3 hrs |
| SYP 3650 | Sports and Society or | 3 hrs |
| SYP 4732 | Minority Aging or | 3 hrs |
| THE 4230 | Cultural Diversity in Theater | 3 hrs |

Second Study Area (from those below) 18 hrs

- See the Interdisciplinary Studies Advising Teams for details regarding each area: Arts, Behavioral and Social Sciences, Commerce, Communication, Computational Sciences, Education, Engineering, Health, Humanities, Letters and Modern Languages, Life/Biomedical, Physical Sciences, Public Affairs



6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.

- Note: Students entering without having met the admission requirement must do so in order to graduate.

8. Electives

- Select primarily from upper level courses, with Interdisciplinary Studies advisor's approval. May be outside of Women's Studies.

9. Additional Requirements

- None

10. Required Minors

- Women's Studies

11. Departmental Exit Requirements

- A grade of "C" or above (2.0) is required for each course taken in each of the subject areas.

- Computer Competency is met by departmental assessment, or the following courses:

CGS 1060C	Introduction to Computers	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Interdisciplinary Studies

Certificates

- None

Related Minors

- Most UCF minors

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

International and Global Studies (B.A.)

College of Sciences

Department of Political Science,

Howard Phillips Hall, Room: 302

politicalscience.cos.ucf.edu

Email: politics@ucf.edu

Dr. Kerstin Hamann

Phone: 407-823-2608

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Double major/dual degree policy in Political Science programs and minors:

- Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:

POS 2041	American National Government	3 hrs
POS 3703	Scope and Methods of Political Science	3 hrs

- Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course.

POS 2041	American National Government	3 hrs

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Prefer WOH 2012 World Civilization I 3 hrs

Prefer WOH 2022 World Civilization II 3 hrs

Required One course from GEP B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

Prefer MGF 1106 Finite Mathematics or 3 hrs

Prefer MGF 1107 Explorations in Mathematics or 3 hrs

May substitute a higher level math with appropriate scores on the Math Placement Exam. 3 hrs

Statistics: 3 hrs

Prefer STA 2014C Principles of Statistics or 3 hrs

Prefer STA 1063C Basic Statistics Using Microsoft 3 hrs

Excel or

May substitute a more advanced STA course. 3 hrs

D: Social Foundations (6 hrs)

Prefer POS 2041 American National Government 3 hrs

Required One course from GEP D.2 list 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (6 hrs)

ECO 2013 Principles of Macroeconomics 3 hrs

INR 2002 International Relations-Theory and Practice 3 hrs

POS 2041 American National Government GEP

4. Core Requirements: Advanced Level (15 hrs)

CPO 3103 Comparative Politics 3 hrs

GEO 3471 World Political Geography 3 hrs

IDS 4315 Global Perspectives 3 hrs

INR 4603 International Relations Theory 3 hrs

POS 3703 Scope and Methods of Political Science 3 hrs



UCF Degree Programs

5. Restricted Electives (18 hrs)

■ Note: Students must meet all prerequisites before taking these classes.

■ Other courses may be substituted with the chair's approval.

Regional 9 hrs

■ Select from the following listing:

CPO 3034	Politics of Developing Areas	3 hrs
CPO 3104	Politics of Western Europe	3 hrs
CPO 3403	Politics of the Middle East	3 hrs
CPO 3614	Politics of Eastern Europe	3 hrs
CPO 4062	Comparative Judicial Process	3 hrs
CPO 4074	Political Economy	3 hrs
CPO 4101	Politics of the European Union	3 hrs
CPO 4123	Government and Politics of Great Britain	3 hrs
CPO 4303	Comparative Latin American Politics	3 hrs
CPO 4514	Politics of East Asia	3 hrs
CPO 4553	Politics of Japan	3 hrs
CPO 4643	Government and Politics of Russia	3 hrs
CPO 4710	Women in Comparative Politics	3 hrs
INR 3250	Politics of Pan-Africanism	3 hrs

Functional 9 hrs

■ Select from the following listing:

INR 3253	International Politics of Africa	3 hrs
INR 4030	Diplomacy	3 hrs
INR 4035	International Political Economy	3 hrs
INR 4054	Global Politics of Energy	3 hrs
INR 4060	Causes of War	3 hrs
INR 4074	Immigration Policy	3 hrs
INR 4075	Human Rights Policy	3 hrs
INR 4076	Global Drug Policy	3 hrs
INR 4084	Politics of International Terrorism	3 hrs
INR 4085	Women, Gender, and Globalization	3 hrs
INR 4102	American Foreign Policy	3 hrs
INR 4104	Topics and Cases in American Foreign Policy	3 hrs
INR 4114	American Security Policy	3 hrs
INR 4115	Strategic Weapons and Arms Control	3 hrs
INR 4224	Contemporary International Politics of Asia	3 hrs
INR 4243	International Politics of Latin America	3 hrs
INR 4304	Issues in International Public Policy	3 hrs
INR 4335	Coercion in International Politics	3 hrs
INR 4350	Global Environmental Politics	3 hrs
INR 4351	International Environmental Law	3 hrs
INR 4364	The Intelligence Community	3 hrs
INR 4401	International Law	3 hrs
INR 4404	Space Law	3 hrs
INR 4502	International Organizations	3 hrs
INR 4714	Politics of International Trade Policy	3 hrs
INR 4774	Military Space Policy	3 hrs
¹ INR 4941	Internship	3 hrs
POS 3253	Contemporary Revolution and Political Violence	3 hrs
PUP 4503	Government and Science	3 hrs
PUP 4510	Space Policy	3 hrs

¹ A maximum of 3 hours of Internship can be used.

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement

Graduation

■ Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

■ Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

■ No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in International and Global Studies, provided that no more than 50% of an Area be covered by such credits.

9. Additional Requirements

■ None

10. Required Minors

■ Select from the following minors (18 hours min)

■ No more than one course may be used to fulfill both this major and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Latin American Studies, Spanish, or Modern Language Combination.

■ Note: The International Business Minor is only available to Business majors.

■ Asian Studies

■ Diplomacy

■ Economics

■ European Studies

■ French

■ Human Communication

■ International Business

■ Italian

■ Latin American Area Studies

■ Middle Eastern Studies

■ Military Science

■ Spanish

■ World Comparative Studies

11. Departmental Exit Requirements

■ Maintain a minimum GPA of 2.0 in the major.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs

■ Anthropology

■ Economics

■ History

Certificates

■ None

Related Minors

■ Anthropology

■ Economics

■ History

■ Psychology

■ Sociology

■ Philosophy

Advising Notes

■ None



Transfer Notes

■ Lower division courses do not substitute for upper division courses.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (120 hrs)

■ One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

■ Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt

■ Prior to enrolling in Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>

Freshman Year - Fall 16 hrs

POS 2041	American National Government	3 hrs
ENC 1101	Composition I	3 hrs
WOH 2012	World Civilization I	3 hrs
GEP-Math		3 hrs
Foreign Language		4 hrs

Freshman Year - Spring 16 hrs

INR 2002	International Relations-Theory and Practice	3 hrs
WOH 2022	World Civilization II	3 hrs
ENC 1102	Composition II	3 hrs
STA 2014C	Principles of Statistics	3 hrs
Foreign Language		4 hrs

Sophomore Year - Fall 16 hrs

POS 3703	Scope and Methods of Political Science	3 hrs
GEO 3471	World Political Geography	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
Foreign Language		4 hrs
GEP		3 hrs

Sophomore Year - Spring 16 hrs

CPO 3103	Comparative Politics	3 hrs
IDS 4315	Global Perspectives	3 hrs
INR 4603	International Relations Theory	3 hrs
Foreign Language		4 hrs
GEP		3 hrs

Junior Year - Fall 15 hrs

Restricted Elective	3 hrs
Restricted Elective	3 hrs
GEP	3 hrs
Elective / Minor	3 hrs
Free Elective	3 hrs

Junior Year - Spring 15 hrs

Restricted Elective	3 hrs
GEP	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Free Elective	3 hrs

Senior Year - Fall 14 hrs

Restricted Elective	3 hrs
Restricted Elective	3 hrs
GEP	3 hrs
Elective / Minor	3 hrs
Free Elective	2 hrs

Senior Year - Spring 12 hrs

Restricted Elective	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Free Elective	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Journalism (B.A.)

College of Sciences

Nicholson School of Communication, NSC, Room: 143

<http://communication.cos.ucf.edu>

Email: journalism@ucf.edu

Dr. Kim Voss, Area Coordinator, kvoss@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu

Phone: 407-823-2681

Admission Requirements

■ Students should apply to become Journalism majors only after completing all requirements for admission.

■ Admission is based on multiple factors, not strictly GPA.

■ Attain an overall minimum 2.25 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis.

■ Submit previously published journalistic work, if any.

■ See a NSC advisor for additional admission criteria.

■ Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF's Testing Center unless they have AP or IB credit in English or an "A-" or better in both of the following courses:

ENC 1101	Composition I	3 hrs
ENC 1102	Composition II	3 hrs

Application Deadlines:

■ October 1 to be admitted the next spring term

■ February 1 to be admitted the next summer term

■ June 1 to be admitted the next fall term

Degree Requirements

■ Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.

■ The Journalism faculty strongly recommend that majors work for a student newspaper.

■ Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or website.

■ To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.

■ Students can enroll in a maximum of six hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.

■ A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.

■ Co-op or internship credit cannot be used in this major without prior approval.

■ Students should consult with a school advisor.

■ Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.

■ Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).

■ To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.

■ Journalism majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.

■ School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

■ The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.



UCF Degree Programs

■ All prerequisites of courses taught within the College of Sciences will be enforced.

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Composition: Complete both courses. (6 hrs)

Required	ENC 1101	Composition I and	3 hrs
Required	ENC 1102	Composition II	3 hrs

Speech: Select one of the following. (3 hrs)

Required	SPC 1608	Fundamentals of Oral	3 hrs
		Communication or	
Suggested	SPC 1603C	Fundamentals of Technical	3 hrs
		Presentations	

B: Cultural & Historical Foundations (9 hrs)

Group 1: Select a course from group 1. (3 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877 or	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs

Group 2: Select a course from group 2. (3 hrs)

Group 3: Select a third course from either group 1 or 2. (3 hrs)

C: Mathematical Foundations (6 hrs)

Statistics-Computers: (3 hrs)

Suggested	CGS 1060C	Introduction to Computers or	3 hrs
Suggested	STA 2014C	Principles of Statistics	3 hrs

Math: (3 hrs)

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs
		or	

You may substitute a higher level math with appropriate scores on the Math Placement Exam. (3 hrs)

D: Social Foundations (6 hrs)

Group 1: (3 hrs)

Prefer	POS 2041	American National Government	3 hrs

Group 2: Select a listed course (3 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

Complete one of the following:

SPC 1608	Fundamentals of Oral Communication or	GEP
SPC 1603C	Fundamentals of Technical Presentations	GEP

3. Core Requirements: Basic Level (12 hrs)

■ Grammar Proficiency must be satisfied before enrolling in JOU 2100C.

■ These courses may be completed before acceptance into the program.

■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:

Core: Required, satisfies the CPP

SPC 1608	Fundamentals of Oral Communication or	GEP/CPP
SPC 1603C	Fundamentals of Technical Presentations	GEP/CPP

Core: Additional requirements (12 hrs)

■ Must earn at least a "C" (2.0) in these courses in order to enroll in subsequent courses.

JOU 2100C	News Reporting and	3 hrs
JOU 3004	History of American Journalism and	3 hrs
MMC 2004	Mass Media and	3 hrs
JOU 3015	Principles of Journalism	3 hrs

4. Core Requirements: Advanced Level (6 hrs)

■ These courses may be completed either before or after acceptance into the program.

■ Must earn at least a "C" (2.0) in these courses in order to enroll in subsequent courses.

JOU 4700	Journalism Ethics	3 hrs
MMC 3200	Mass Communication Law	3 hrs

5. Restricted Electives (18 hrs)

■ These courses can only be completed after acceptance into the program.

Writing/Editing: Select from the following: (9 hrs)

JOU 3101	Advanced Reporting	3 hrs
JOU 3130	In-Depth Reporting	3 hrs
JOU 3184C	Metro Reporting	3 hrs
JOU 3201	Editing I	3 hrs
JOU 3202	Editing II	3 hrs
JOU 3313C	Sports Reporting	3 hrs
JOU 4181	Public Affairs Reporting	3 hrs
JOU 4224	Magazine Editing and Production	3 hrs
JOU 4300	Feature Writing	3 hrs
JOU 4306C	Critical Writing	3 hrs
JOU 4308	Freelance Writing	3 hrs
JOU 4941	Internship	3 hrs

Internships must be approved in advance by the Journalism Area Coordinator

Visual Journalism: Select from the following (9 hrs)

JOU 3510	Magazine Publishing	3 hrs
JOU 4211C	Informational Graphics	3 hrs
JOU 4213C	Page Design	3 hrs
JOU 4340C	Online Journalism I	3 hrs
JOU 4341C	Online Journalism II	3 hrs
JOU 4342C	Multimedia Journalism	3 hrs
PGY 3610C	Photojournalism I	3 hrs
PGY 3620C	Photojournalism II	3 hrs
PGY 3630	Photojournalism III	3 hrs
JOU 4941	Internship	3 hrs

Internships must be approved in advance by the Journalism Area Coordinator

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

■ Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives

■ Select primarily from upper level courses, with school advisor's approval. Must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts and Sciences to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements

■ None

10. Required Minors

■ Journalism majors must complete an 18 hour minor in an academic area outside of the Nicholson School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Area Coordinator.

■ The minor must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements

■ Acceptance of portfolio by faculty.

■ To avoid delaying graduation, you must request a review of requirements before registering for your last term.

■ Achieve a "C" (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.



12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- English - Creative Writing
- English - Technical Communication

Certificates

- None

Related Minors

- NOTE: Minors taught within the Nicholson School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- Writing and Rhetoric
- History
- Magazine Journalism
- Political Science
- Sociology

Advising Notes

- It is the student's responsibility to ensure that course prerequisites have been satisfied before registering for a class.
- Students are urged to contact their school advisor before registering for courses.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall

ENC 1101	Composition I	3 hrs
GEP-Math		3 hrs
GEP		3 hrs
Foreign Language		4 hrs

Freshman Year - Spring

ENC 1102	Composition II	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
GEP-Stat or CS		3 hrs
Foreign Language		4 hrs

Sophomore Year - Fall

MMC 2004	Mass Media	3 hrs
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs
Elective-Minor		3 hrs

Sophomore Year - Spring

Apply for admission by Feb 1		15 hrs
JOU 2100C	News Reporting	3 hrs
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs
Elective-Minor		3 hrs

Junior Year - Fall

If admitted, take...		15 hrs
JOU 3004	History of American Journalism	3 hrs
MMC 3200	Mass Communication Law	3 hrs
Restricted Elective		3 hrs
Elective-Minor		3 hrs
Elective-take outside of NSC		3 hrs

Junior Year - Spring

JOU 3015	Principles of Journalism	3 hrs
JOU 4700	Journalism Ethics	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Elective-Minor		3 hrs

Junior Year - Summer

Restricted Elective-Internship	3 hrs

Senior Year - Fall

Submit Journalism Portfolio		15 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Elective-Minor		3 hrs
Elective-Minor		3 hrs
Elective-take outside of NSC		3 hrs

Senior Year - Spring

Elective-take outside of NSC	3 hrs
Elective-take outside of NSC	3 hrs
Elective-take outside of NSC	4 hrs
Elective-take outside of NSC	3 hrs
Elective-take outside of NSC	3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$22 per term
- Full-Time Student: \$44 per term

Latin American Studies (B.A.)

College of Arts and Humanities

Program in Latin American Studies,

Colbourn Hall, Room: 112

<http://las.cah.ucf.edu/>

Email: latinamerica@ucf.edu

Phone: 407-823-1173

Admission Requirements

- None

Major Requirements

ANT 4332	People and Cultures of Latin America	3 hrs
GEA 4405	Geography of Latin America	3 hrs
LAH 3200	Modern Latin America	3 hrs
LAS 3001	Topics in Latin American Studies	3 hrs
LAS 3101	Latin American Popular Culture	3 hrs

- In addition, students are required to take 21 hours of restricted electives, 12 hours from the first area and 9 hours from the second area of emphasis.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without previous approval by the program director.
- Students must earn at least a "C"(2.0) in each required course.
- Students should consult with the program director.

UCF Degree Programs

■ Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.

■ Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required ARH 2050 History of Western Art I 3 hrs

Select 2 Courses From B.1 Based On Area Selections 6 hrs

C: Mathematical Foundations (6 hrs)

Suggested STA 1063C Basic Statistics Using 3 hrs

Microsoft Excel

Select 1: 3 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs

Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)

Prefer ANT 2000 General Anthropology 3 hrs

Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

■ None

3. Core Requirements: Basic Level (3 hrs)

LAS 3001 Topics in Latin American Studies 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

ANT 4332 People and Cultures of Latin America 3 hrs

GEA 4405 Geography of Latin America 3 hrs

LAH 3200 Modern Latin America 3 hrs

LAS 3101 Latin American Popular Culture 3 hrs

5. Restricted Electives (21 hrs)

■ Restricted electives are divided into two areas of emphasis. Students must take a minimum of 12 credit hours in the first area of emphasis and 9 additional credit hours in the second area of emphasis as detailed below.

■ Students may not use more than 9 credit hours of courses with the same prefix within the first area of emphasis or more than 6 credit hours of courses with the same prefix within the second area of emphasis.

■ Note that this is not an exhaustive list of course options.

Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the program director.

AREA ONE: 12 hrs

ANTHROPOLOGY

ANT 3160 Americas Before Columbus 3 hrs

ANT 3161 Archaeology of Mexico 3 hrs

ANT 3163 Mesoamerican Archaeology 3 hrs

ANT 3164 Ancient Incas 3 hrs

ANT 3165 Archaeology of South America 3 hrs

ANT 3168 Maya Archaeology 3 hrs

ANT 3319 Anthropology of Diaspora 3 hrs

ANT 3330 Cultural Ecology of Amazonia 3 hrs

ANT 3344 Puerto Rican Culture 3 hrs

ANT 4266 Economic Anthropology: Production, 3 hrs

Consumption, and Exchange

ANT 4340 Caribbean Cultures 3 hrs

HISTORY

LAH 3130 Latin American History I 3 hrs

LAH 3400 History of Mexico and Central America 3 hrs

LAH 3470 History of the Caribbean 3 hrs

LAH 4136 Colonial Florida 3 hrs

LAH 4512 Modern Argentina 3 hrs

LAH 4461 History of Puerto Rico 3 hrs

LAH 4480 History of Cuba 3 hrs

LAH 4742 The Mexican Revolution 3 hrs

LAH 4780 Poverty and Development in Latin America 3 hrs

Spanish and Spanish Literature

■ Students can choose from the extensive listing of upper level SPN and SPW courses. No more than six (6) hours can overlap between the major and the minor.

AREA TWO: 9 hrs

■ (Select no more than 6 credit hours of courses with the same prefix)

ART HISTORY

ARH 2051 History of Western Art II 3 hrs

ARH 3670 20th Century Latin American Art 3 hrs

ARH 3673 Modern Art of Mexico 3 hrs

ARH 3674 Latin American Popular Visual Culture 3 hrs

ARH 4653 Meso American Art 3 hrs

ENGLISH

AML 3615 Harlem, Haiti, and Havana 3 hrs

AML 3682 Ethnic Literature in America 3 hrs

AML 4630 Latino/Latina Literature 3 hrs

LIT 3192 Caribbean Literature 3 hrs

LIT 3381 Women Writers of Color 3 hrs

LIT 3823 Hispanic Women Writers 3 hrs

HUMANITIES

HUM 3460 Latin American Humanities 3 hrs

INTERNATIONAL RELATIONS

INR 4243 International Politics of Latin America 3 hrs

LATIN AMERICAN STUDIES

LAS 4023 African Caribbean Experience 3 hrs

POLITICS

CPO 3034 Politics of Developing Areas 3 hrs

CPO 3103 Comparative Politics 3 hrs

CPO 4074 Political Economy 3 hrs

CPO 4794 Indigenous Politics and the Environment 3 hrs

CPO 4303 Comparative Latin American Politics 3 hrs

PUBLIC POLICY

PUP 3314 Minorities in American Politics 3 hrs

6. Capstone Requirements

■ Required Experiential Learning (capstone experience, 0 - 3 hrs):

■ Students are required to complete a study or work experience in Latin American Studies. This may be fulfilled through participation in any one of the following:

■ A formal study-abroad program on Latin America of at least 45 contact hours equaling three hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three hours of academic Internship credit for this option may be available if authorized by the Program Director Internship on Latin American Studies.

■ Students may also elect to complete three hours of upper division credit in an indigenous language such as Yucatec Maya, Nahuatl, or Quechua. As the latter languages are currently not taught at UCF, interested students would need to enroll in an off-campus program.

■ At the discretion of the Program Director, prior life, study, or work experience may be considered as satisfying this experiential learning requirement.

7. Foreign Language Requirements

Admissions

■ Foreign Language Requirement: (0 -14 hrs)

■ LAS majors will have a proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures. Spanish or Portuguese preferred, although other Latin American languages may be acceptable with prior written consent of the LAS program director. Standardized examinations for foreign languages may be used to meet the requirement.

Graduation

■ None

8. Electives

■ Variable

■ Select primarily from upper level courses after meeting with an advisor. Courses may be outside the department.

9. Additional Requirements

■ None



10. Required Minors

- Required Minor: 18 hrs (minimum)
- LAS majors cannot minor in Anthropology, Art History, English, History, Humanities, Latin American Studies or Political Science. A second major in any of the disciplines listed below will satisfy the minor requirement. The LAS minor will continue to be available to non-LAS majors.
- Students will select a minor in consultation with the LAS Program Director. No more than six (6) hours can overlap between the major and the minor. The following are among the options to be considered:
 - Accounting
 - Digital Media
 - Economics
 - Emergency Management and Homeland Security
 - Energy and Sustainability
 - Environmental Studies
 - Finance
 - Health Informatics and Information Management
 - International Business
 - Leadership Studies
 - Marketing
 - Public Administration
 - Spanish
 - Technological Entrepreneurship
 - Urban and Regional Planning
 - Women's Studies

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Anthropology
- History
- Political Science
- Modern Language Combination
- Art - History Track
- Interdisciplinary Studies

Certificates

- None

Related Minors

- No more than six (6) hours can overlap between the major and the minor
- Accounting
- Digital Media
- Economics
- Emergency Management and Homeland Security
- Energy and Sustainability
- Environmental Studies
- Finance
- Health Informatics and Information Management
- International Business
- Leadership Studies
- Marketing

- Music
- Public Administration
- Spanish
- Technological Entrepreneurship
- Urban and Regional Planning
- Women's Studies

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Legal Studies (B.A. / B.S.)

College of Health and Public Affairs

Department of Legal Studies,

Health & Public Affairs I, Room: 343

<http://www.cohpa.ucf.edu/legalstudies/index.shtml>

Email: legalstudies@ucf.edu

Dr. David Slaughter

Phone: 407-823-1670

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies. Students must complete a minimum of four face-to-face Legal Studies courses in order to be eligible for Florida Paralegal Certification.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- 33 hours of PLA coursework must be taken at UCF.
- 2.0 in all PLA work at UCF and overall.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

UCF Degree Programs

- C: Mathematical Foundations** (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (18 hrs)

- All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.

PLA 3014	Law and the Legal System	3 hrs
PLA 3108	Legal Research	3 hrs
PLA 3155	Legal Writing	3 hrs
PLA 3205	Civil Practice and Procedure	3 hrs
PLA 3615	Property and Real Estate Law	3 hrs
PLA 4703	Professional Ethics and Liability	3 hrs

5. Restricted Electives (30 hrs)

Upper Division Restricted Electives 21 hrs

- 21 additional hours of Legal Studies coursework selected in consultation with an advisor.

Supporting Courses 9 hrs

- Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student's advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student's advisor.

Specializations

- Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:

- Law and Society, Litigation and Advocacy, Public Law, Sports and Entertainment Law, Criminal Law and Individual Liberties, Estates and Property Law, Comparative and International Law, Commercial and Transactional Law.

- A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student's advisor.

6. Capstone Requirements (3 hrs)

- Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.

PLA 4935	Capstone: Legal Issues	3 hrs

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level.

8. Electives

- If students chose the following electives, they must complete them with a minimum grade of a "C" (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.
- Second Bachelor's degree students must complete a minimum of 30 credit hours of Legal Studies (PLA) coursework after being admitted as a second degree seeking student.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Interested students should consult with their faculty advisor.

Related Programs

- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
- Business Administration

Certificates

- Public and Professional Writing

Related Minors

- Business
- Criminal Justice
- Crime, Law, and Deviance
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 14 hrs

ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
PAF 2102	Public Affairs Careers	2 hrs

Select 1: 3 hrs

PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology	3 hrs

Select 1: 3 hrs

BSC 1005	Biological Principles or	3 hrs
MCB 1310	Introduction to Biotechnology and Genetic Engineering	3 hrs

Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
CGS 1060C	Introduction to Computers	3 hrs
Free Elective		3 hrs

Select 1: 3 hrs

ECO 2013	Principles of Macroeconomics or	3 hrs
POS 2041	American National Government or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Select 1: 3 hrs

ARH 2050	History of Western Art I or	3 hrs
ARH 2051	History of Western Art II or	3 hrs
MUL 2010	Enjoyment of Music or	3 hrs
THE 2000	Theatre Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II	3 hrs

Sophomore Year - Fall 16 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
Free Elective		3 hrs



Select 1:		3 hrs
PSC 1121	Physical Science or	3 hrs
CHM 1020	Concepts in Chemistry	3 hrs

Select 1:		3 hrs
EUH 2000	Western Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I or	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs
Foreign Language I or BS option		4 hrs

Sophomore Year - Spring		16 hrs
PLA 3014	Law and the Legal System	3 hrs
Free Elective		3 hrs
Elective / Minor		3 hrs

Select 1:		3 hrs
EUH 2001	Western Civilization II or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs
Foreign Language II or BS option		4 hrs

Junior Year - Fall		15 hrs
PLA 3108	Legal Research	3 hrs
PLA 3205	Civil Practice and Procedure	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs

Junior Year - Spring		15 hrs
PLA 3155	Legal Writing	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs
Supporting Elective		3 hrs

Senior Year - Fall		15 hrs
PLA 3615	Property and Real Estate Law	3 hrs
PLA 4703	Professional Ethics and Liability	3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs
Internship or Restricted Elective		3 hrs

Senior Year - Spring		15 hrs
PLA 4935	Capstone: Legal Issues	3 hrs
Restricted Elective		3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs
Internship or Restricted Elective		3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alac/academic_learning_compacts.htm

Management (B.S.B.A.)

College of Business Administration

Department of Management,

Business Administration II, Room: 101

<http://www.bus.ucf.edu/>

Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

■ Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System institution.

■ See Common Program Prerequisites

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.

■ Students wanting to major in Management must apply for admission to the major.

■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

■ Students must earn at least a 2.0 GPA in the major and COB.

■ Students in the Management major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Management, Entrepreneurship, and Human Resources courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Management, Entrepreneurship, and Human Resources courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Management, Entrepreneurship, and Human Resources courses in the subsequent term, that student will be dropped as a Management major. A student who is dropped may seek re-admittance as a Management major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a Management, Entrepreneurship, and Human Resources GPA of 2.0 or higher. Readmission is not automatic.

■ Students majoring in Management must earn a grade of "C" (2.0) or better in the following courses and each course applied towards the major:

MAN 3025	Management of Organizations	4 hrs
MAN 4720	Strategic Management	4 hrs

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required	CGS 2100C	Computer Fundamentals for Business	3 hrs
Prefer	MAC 1105C	College Algebra	3 hrs

D: Social Foundations (6 hrs)

Select 1: (3 hrs)

Required	ANT 2000	General Anthropology or	3 hrs
Required	PSY 2012	General Psychology or	3 hrs
Required	SYG 2000	Introduction to Sociology	3 hrs

Select 1: (3 hrs)

Required	ECO 2013	Principles of Macroeconomics or	3 hrs
Required	ECO 2023	Principles of Microeconomics	3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

■ Must be completed with a "C" 2.0 or better

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Select one of the following sequences of courses:

■ Students who have not completed both MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.

ECO 3401	Quantitative Business Tools I	3 hrs

or

MAC 2233	Concepts of Calculus and	3 hrs
STA 2023	Statistical Methods I	3 hrs

3. Core Requirements: Basic Level

■ None



UCF Degree Programs

4. Core Requirements: Advanced Level (32 hrs)

First or subsequent semester in the College of

Business Administration:

BUL 3130	Legal and Ethical Environment of Business	4 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
FIN 3403C	Business Finance	4 hrs
¹ GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
² GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
GEB 3375	Introduction to International Business	4 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs
MAR 3203	Supply Chain and Operations Management	4 hrs

¹ Required in 1st or 2nd semester

² Must be taken with GEB 3031

5. Restricted Electives (24 hrs)

■ Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

Human Resource Management Track 24 hrs

Required Courses 15 hrs

MAN 3301	Management of Human Resources and Organizations: Theory and Behavior and	3 hrs
MAN 4240	Human Resources Recruitment and Selection and	3 hrs
MAN 4330	Compensation Administration and	3 hrs
MAN 4350	Training and Development	3 hrs

Restricted Elective Courses 9 hrs

BUL 4540	Employment Law or	3 hrs
GEB 3113	Creativity and Entrepreneurship or	3 hrs
GEB 4110	Business Plan Preparation or	3 hrs
GEB 4111	New Venture Finance or	3 hrs
GEB 4435	Moral Foundations of Business or	3 hrs
Any MAN Course		3 hrs

General Management Track 24 hrs

Required Courses 15 hrs

MAN 3301	Management of Human Resources and	3 hrs
MAN 3520	Quality & Productivity Management and	3 hrs
MAN 4240	Organizations: Theory and Behavior and	3 hrs
MAN 4441	Conflict Resolution and Negotiation and	3 hrs
MAN 4701	Business Ethics and Society	3 hrs

Restricted Elective Courses 9 hrs

BUL 4540	Employment Law or	3 hrs
GEB 3113	Creativity and Entrepreneurship or	3 hrs
GEB 4110	Business Plan Preparation or	3 hrs
GEB 4111	New Venture Finance or	3 hrs
GEB 4435	Moral Foundations of Business or	3 hrs
Any MAN Course		3 hrs

Entrepreneurship Track 24 hrs

Required Courses 15 hrs

GEB 3113	Creativity and Entrepreneurship and	3 hrs
GEB 4110	Business Plan Preparation and	3 hrs
GEB 4111	New Venture Finance and	3 hrs
MAN 4802	New Venture and Small Business Management and	3 hrs
MAR 3765	Entrepreneurial Marketing	3 hrs

Restricted Elective Courses 9 hrs

BUL 4540	Employment Law or	3 hrs
GEB 4435	Moral Foundations of Business or	3 hrs
Any MAN course		3 hrs

6. Capstone Requirements (4 hrs)

MAN 4720 Strategic Management 4 hrs
■ This course is taken in the graduating term and requires the following prerequisites:

FIN 3403C	Business Finance	4 hrs
¹ GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
² GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs

¹ Required in 1st or 2nd semester

² Must be taken with GEB 3031

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ (variable)

9. Additional Requirements

■ Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).

10. Required Minors

■ None

11. Departmental Exit Requirements

■ None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, at least two semesters remaining prior to graduation.
- Admission: Applications to the Honors in the Major program must be approved by the Associate Dean of the Honors College and the Management Department Chair.
- Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:

Honors in Major Credit Requirements 6 hrs

Required Honors Reading Course 3 hrs

MAN 4903H	Honors Directed Reading I or	3 hrs
MAN 4904H	Honors Directed Reading II	3 hrs

Required Honors Thesis 3 hrs

MAN 4970H	Undergraduate Honors Thesis	3 hrs

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.



■ Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF, Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.

■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses

ACG 2021 Principles of Financial Accounting 3 hrs
may be substituted with: ACG X001

ACG 2021 Principles of Financial Accounting 3 hrs
may be substituted with: ACG X011

Plan of Study

■ Must complete 9 hours in a summer semester.

Freshman Year - Fall 15 hrs

ENC 1101 Composition I 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Cult-Hist I 3 hrs
Elective 3 hrs
Elective 3 hrs

Freshman Year - Spring 15 hrs

CGS 2100C Computer Fundamentals for Business 3 hrs
ENC 1102 Composition II 3 hrs
MAC 1105C College Algebra 3 hrs
Cult-Hist II 3 hrs
Art/Music/Lit 3 hrs

Sophomore Year - Fall 15 hrs

¹ ACG 2021 Principles of Financial Accounting 3 hrs
¹ ECO 2023 Principles of Microeconomics 3 hrs
Science 3 hrs
Psy/Soc/Ant 3 hrs
Elective 3 hrs

¹ "C" (2.0) or better required in each class.

Sophomore Year - Spring 15 hrs

¹ ACG 2071 Principles of Managerial Accounting 3 hrs
¹ ECO 2013 Principles of Macroeconomics 3 hrs
¹ ECO 3401 Quantitative Business Tools I 3 hrs
Science 3 hrs
Elective 3 hrs

¹ "C" (2.0) or better required in each class.

Human Resource Management Track

Junior Year - Fall 16 hrs

¹ GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
² GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEB 3375 Introduction to International Business 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

¹ Required in 1st or 2nd semester

² Must be taken with GEB 3031

Junior Year - Spring 15 hrs

BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
MAN 3301 Management of Human Resources 3 hrs

Senior Year - Fall 16 hrs

MAN 4240 Organizations: Theory and Behavior 3 hrs
MAN 4320 Human Resources Recruitment and Selection 3 hrs
MAN 4330 Compensation Administration 3 hrs
MAR 3203 Supply Chain and Operations Management 4 hrs
Restricted Elective 3 hrs

Senior Year - Spring 16 hrs

MAN 4350 Training and Development 3 hrs
MAN 4720 Strategic Management 4 hrs
Free Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Entrepreneurship Track

Junior Year - Fall 15 hrs

¹ GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
² GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEB 3113 Creativity and Entrepreneurship 3 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

¹ Required in 1st or 2nd semester

² Must be taken with GEB 3031

Junior Year - Spring 15 hrs

BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
MAN 4802 New Venture and Small Business Management 3 hrs

Senior Year - Fall 17 hrs

GEB 3375 Introduction to International Business 4 hrs
GEB 4111 New Venture Finance 3 hrs
MAR 3203 Supply Chain and Operations Management 4 hrs
MAR 3765 Entrepreneurial Marketing 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 16 hrs

GEB 4110 Business Plan Preparation 3 hrs
MAN 4720 Strategic Management 4 hrs
Free Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

General Management Track

Junior Year - Fall 16 hrs

BUL 3130 Legal and Ethical Environment of Business 4 hrs
¹ GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
² GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

¹ Required in 1st or 2nd semester

² Must be taken with GEB 3031

Junior Year - Spring 15 hrs

GEB 3375 Introduction to International Business 4 hrs
FIN 3403C Business Finance 4 hrs
MAR 3203 Supply Chain and Operations Management 4 hrs
MAN 3520 Quality & Productivity Management 3 hrs

Senior Year - Fall 16 hrs

MAN 3301 Management of Human Resources 3 hrs
MAN 4240 Organizations: Theory and Behavior 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
ECO 3411 Quantitative Business Tools II 4 hrs

Senior Year - Spring 16 hrs

MAN 4441 Conflict Resolution and Negotiation 3 hrs
MAN 4701 Business Ethics and Society 3 hrs
MAN 4720 Strategic Management 4 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs

UCF Degree Programs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alac/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$15 per term
- Full-Time Student: \$30 per term

Marketing (B.S.B.A.)

College of Business Administration

Department of Marketing,

Business Administration II, Room: 101

<http://www.bus.ucf.edu>

Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.
- See Common Program Prerequisites

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class, and all prerequisites to marketing courses.
- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB.
- Students in the Marketing major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Marketing and Supply Chain Management courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Marketing and Supply Chain courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Marketing and Supply Chain courses in a subsequent term, that student will be dropped as an Marketing major. A student who is dropped may seek remittance as an Marketing major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an GPA of 2.0 or higher. Readmission is not automatic.
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Final exams will be given during Exam Week
- Students majoring in Marketing must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:

MAR 3023	Marketing	4 hrs

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required	CGS 2100C	Computer Fundamentals for Business	3 hrs
Prefer	MAC 1105C	College Algebra	3 hrs

D: Social Foundations (6 hrs)

Select 1: (3 hrs)

Suggested	ECO 2013	Principles of Macroeconomics	3 hrs
		or	
Suggested	ECO 2023	Principles of Microeconomics	3 hrs

Select 1: (3 hrs)

Suggested	PSY 2012	General Psychology or	3 hrs
Suggested	ANT 2000	General Anthropology or	3 hrs
Suggested	SYG 2000	Introduction to Sociology	3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

- Must be completed with a "C" (2.0) or better
 - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- | | | |
|-----------|-------------------------------------|-------|
| ACG 2021 | Principles of Financial Accounting | 3 hrs |
| ACG 2071 | Principles of Managerial Accounting | 3 hrs |
| ECO 2013 | Principles of Macroeconomics | 3 hrs |
| ECO 2023 | Principles of Microeconomics | 3 hrs |
| CGS 2100C | Computer Fundamentals for Business | 3 hrs |

Select one of the following sequences of courses:

- Students who have not completed both MAC 2233 and STA 2023 with a "C" (2.0) or better can take ECO 3401.

ECO 3401	Quantitative Business Tools I	3 hrs

or

MAC 2233	Concepts of Calculus and	3 hrs
STA 2023	Statistical Methods I	3 hrs

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (50 hrs)

First or subsequent semester in the College of 32 hrs

Business Administration:

¹ GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
GEB 3375	Introduction to International Business	4 hrs
BUL 3130	Legal and Ethical Environment of Business	4 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
FIN 3403C	Business Finance	4 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs
MAR 3203	Supply Chain and Operations Management	4 hrs

¹ Required in 1st or 2nd semester

Required Courses (15 hrs)

MAR 3391	Professional Selling	3 hrs
MAR 3503	Consumer Behavior	3 hrs
MAR 3613	Marketing Analysis and Research	3 hrs
MAR 4803	Marketing Management	3 hrs
MAR 4804	Marketing Strategy	3 hrs

5. Restricted Electives (9 hrs)

General Marketing

- Select a minimum of 3 courses from the following list of courses:

MAR 3323	Integrated Marketing Communication	3 hrs
MAR 3403	Sales Force Management	3 hrs
MAR 3641	Marketing Intelligence	3 hrs
MAR 3721	Digital Media Marketing	3 hrs
MAR 3765	Entrepreneurial Marketing	3 hrs
MAR 4156	International Marketing	3 hrs
MAR 4231	Retailing Management	3 hrs
MAR 4711	Sport Marketing	3 hrs
MAR 4712	Healthcare Marketing	3 hrs
MAR 4715	Entertainment Marketing	3 hrs
MAR 4841	Services Marketing	3 hrs
MAR 4934	Contemporary Marketing Topics in Florida	3 hrs
MAR 4941	Marketing Internship	3 hrs



Professional Selling Track

9 hrs

■ Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Department faculty committee will select a maximum of 40 professional selling track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form and in interviews. Must have earned a grade of B- (2.75) or higher in the following course to apply:

MAR 3391	Professional Selling	3 hrs

Take all of the following:

9 hrs

MAR 3403	Sales Force Management and	3 hrs
MAR 4415C	Advanced Professional Selling and	3 hrs
MAR 4413C	Strategic Issues in Sales-Lecture	3 hrs

6. Capstone Requirements

(4 hrs)

MAN 4720	Strategic Management	4 hrs

■ This course is taken in the graduating term and requires the following prerequisites:

GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
MAR 3023	Marketing	4 hrs
MAN 3025	Management of Organizations	4 hrs
FIN 3403C	Business Finance	4 hrs

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ (Variable)

9. Additional Requirements

■ Students in the Marketing major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000-level or higher Marketing courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Marketing courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Marketing courses in the subsequent term, that student will be dropped as a Marketing major. A student who is dropped may seek readmission as a Marketing major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a Marketing GPA of 2.0 or higher. Readmission is not automatic.

10. Required Minors

■ None

11. Departmental Exit Requirements

■ None

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA
 ■ 60 semester hours earned after CLEP awarded
 ■ 48 semester hours of upper division credit completed
 ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
 ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
 ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ Available

Related Programs

■ None

Certificates

■ Marketing: Entertainment Marketing
 ■ Marketing: Healthcare Marketing
 ■ Marketing: Retailing Management
 ■ Marketing: Selling and Sales Management
 ■ Marketing: Services Marketing
 ■ Marketing: Sport Marketing Management
 ■ Marketing: e-Marketing

Related Minors

■ None

Advising Notes

■ Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
 ■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

■ Lower division courses do not substitute for upper division courses.
 ■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
 ■ Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, can take Quantitative Business Tools I.
 ■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class, and all prerequisites to marketing courses.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

■ Must complete nine hours in a summer semester

Freshman Year - Fall 15 hrs

ENC 1101	Composition I	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
Cult-Hist I		3 hrs
Elective		3 hrs
Elective		3 hrs

Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
MAC 1105C	College Algebra	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
Cult-Hist II		3 hrs
Art/Music/Lit		3 hrs

Sophomore Year - Fall 15 hrs

ECO 2023	Principles of Microeconomics	3 hrs
ACG 2021	Principles of Financial Accounting	3 hrs
Science		3 hrs
Psy/Ant/Soc		3 hrs
Elective		3 hrs

Sophomore Year - Spring 15 hrs

ECO 2013	Principles of Macroeconomics	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
ECO 3401	Quantitative Business Tools I	3 hrs
Science		3 hrs
Elective		3 hrs

UCF Degree Programs

Junior Year - Fall			16 hrs
ECO 3411	Quantitative Business Tools II		4 hrs
GEB 3031	Cornerstone: Professional Skills for Business		3 hrs
GEB 3375	Introduction to International Business		4 hrs
MAR 3023	Marketing		4 hrs

Junior Year - Spring			17 hrs
MAR 3391	Professional Selling		3 hrs
BUL 3130	Legal and Ethical Environment of Business		4 hrs
MAR 3503	Consumer Behavior		3 hrs
MAR 3613	Marketing Analysis and Research		3 hrs
FIN 3403C	Business Finance		4 hrs

Senior Year - Fall			17 hrs
MAR 4803	Marketing Management		3 hrs
MAN 3025	Management of Organizations		4 hrs
MAR Elective			3 hrs
MAR Elective			3 hrs
MAR 3203	Supply Chain and Operations Management		4 hrs

Senior Year - Spring			
MAN 4720	Strategic Management		4 hrs
MAR 4804	Marketing Strategy		3 hrs
MAR Elective			3 hrs
GE Non-Business Elective			3 hrs

Marketing: Professional Selling Track

Freshman Year - Fall			15 hrs
ENC 1101	Composition I		3 hrs
SPC 1608	Fundamentals of Oral Communication		3 hrs
Restricted Elective			3 hrs
Restricted Elective			3 hrs
Cult-Hist 1			3 hrs

Freshman Year - Spring			15 hrs
ENC 1102	Composition II		3 hrs
MAC 1105C	College Algebra		3 hrs
CGS 2100C	Computer Fundamentals for Business		3 hrs
Cult-Hist II			3 hrs
Art/Music/Lit			3 hrs

Sophomore Year - Fall			15 hrs
ECO 2023	Principles of Microeconomics		3 hrs
ACG 2021	Principles of Financial Accounting		3 hrs
Restricted Elective			3 hrs
Science			3 hrs
Psy/Soc/Ant			3 hrs

Sophomore Year - Spring			15 hrs
ECO 2013	Principles of Macroeconomics		3 hrs
ACG 2071	Principles of Managerial Accounting		3 hrs
ECO 3401	Quantitative Business Tools I		3 hrs
Restricted Elective			3 hrs
Science			3 hrs

Junior Year - Fall			16 hrs
ECO 3411	Quantitative Business Tools II		4 hrs
GEB 3031	Cornerstone: Professional Skills for Business		3 hrs
GEB 3375	Introduction to International Business		4 hrs
MAR 3023	Marketing		4 hrs

Junior Year - Spring			16 hrs
MAR 3391	Professional Selling		3 hrs
MAR 3403	Sales Force Management		3 hrs
FIN 3403C	Business Finance		4 hrs
MAR 3503	Consumer Behavior		3 hrs
MAR 3613	Marketing Analysis and Research		3 hrs

Senior Year - Fall			14 hrs
MAR 4803	Marketing Management		3 hrs
MAR 4415C	Advanced Professional Selling		3 hrs
MAN 3025	Management of Organizations		4 hrs
MAR 3203	Supply Chain and Operations Management		4 hrs

Senior Year - Spring			17 hrs
MAN 4720	Strategic Management		4 hrs
MAR 4804	Marketing Strategy		3 hrs
BUL 3130	Legal and Ethical Environment of Business		4 hrs
MAR 4413C	Strategic Issues in Sales-Lecture		3 hrs
GE Non-Business Elective			3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$15 per term
- Full-Time Student: \$30 per term

Mathematics (B.S.)

College of Sciences

Department of Mathematics,

Mathematical Sciences Building, Room: 207

<http://math.ucf.edu>

Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu, 407-823-0147

The university offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with the word Honors in the title. These are for students in the Honors Program.

Admission Requirements

- None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.

■ Students must earn at least a "C" (2.0) in each course used to satisfy a requirement.

■ Co-op or internship credit cannot be used in this major.

■ Students should consult with a departmental advisor.

■ All prerequisites of courses taught within the College of Sciences will be enforced.

■ Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

■ All mathematics courses, except the following, must be either taken from, or approved by, the Department of Mathematics at UCF:

MAC 2311C	Calculus with Analytic Geometry I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Ordinary Differential Equations I	3 hrs

Note: the following courses will not satisfy any Math degree requirements:

MTG 4212	Modern Geometries	4 hrs
MHF 4404	History of Mathematics	3 hrs

1. UCF General Education Program (GEP) (38 hrs)

■ (Note: Certain courses must be selected for this major, bringing GEP hours above 36)

■ Some concentrations require particular selections of courses in the GEP program. Please consult the desired concentration listed below.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs
Required	COP 3502C	Computer Science I	3 hrs

D: Social Foundations (6 hrs)

1. Depending on concentration, select (3 hrs)

Required	ECO 2023	Principles of Microeconomics or	3 hrs
Suggested	POS 2041	American National Government	3 hrs

2. Select a listed course (3 hrs)



E: Science Foundations (8 hrs)

- Check track requirements before selecting.

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Suggested	BSC 2010C	Biology I	4 hrs

2. Common Program Prerequisites (CPP) (15 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutions of certain courses.

COP 3502C	Computer Science I	GEP
MAC 2311C	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Ordinary Differential Equations I	3 hrs

- Select from the following: 4 hrs

CHM 2045C	Chemistry Fundamentals I	GEP

- or

CHM 2040	Chemistry Fundamentals IA and	GEP
CHM 2041	Chemistry Fundamentals IB	GEP

- or

BSC 2010C	Biology I or	GEP
PHY 2048C	Physics for Engineers & Scientists I	GEP

3. Core Requirements: Basic Level (15 hrs)

- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP

COP 3502C	Computer Science I and	GEP/CPP
MAC 2311C	Calculus with Analytic Geometry I and	GEP/CPP
MAC 2312	Calculus with Analytic Geometry II and	CPP
MAC 2313	Calculus with Analytic Geometry III and	CPP
MAP 2302	Ordinary Differential Equations I	CPP

Basic Core: Additional requirements 8 hrs

MAS 3105	Matrix and Linear Algebra and	4 hrs
MAS 3106	Linear Algebra	4 hrs

- and depending on concentration, select either 3 hrs

- Can use for all Concentrations

MHF 3302	Logic and Proof in Mathematics	3 hrs

- or acceptable in Computational

Concentration;

COT 3100C	Introduction to Discrete Structures	3 hrs

Select one Science sequence 4 hrs

- Selection depends on the concentration selected

- Biology: 4 hrs

- Satisfies the General, Economics, and Computational concentrations.

- Required in Mathematical Biology Concentration

BSC 2010C	Biology I and	GEP/CPP
BSC 2011C	Biology II	4 hrs

- Chemistry: 4 hrs

- Satisfies the General, Economics, and Computational concentrations.

- Required in Mathematical Biology Concentration

- May substitute the two semester equivalent Chemistry

CHM 2045C	Chemistry Fundamentals I and	GEP/CPP
CHM 2046	Chemistry Fundamentals II and	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr

- Physics: 4 hrs

- Satisfies the General, Economics, and Computational concentrations.

- Required in Mathematical Biology and Engineering

Physics Concentration

PHY 2048C	Physics for Engineers & Scientists I and	GEP/CPP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

4. Core Requirements: Advanced Level (7 hrs)

MAA 4226	Advanced Calculus I	4 hrs
MAS 4301	Abstract Algebra I	3 hrs

5. Restricted Electives

- Students must select one of the following five concentrations.

A. General Concentration 18 hrs

Select any 4000 or 5000 level courses offered by the Department of Mathematics.

Select any 4000, or 5000 level course with an MAP or

MAT prefix offered by the Department of Mathematics.

Any 4000, or 5000 level course with an MAA, MAD, MAS,

or MTG prefix, offered by the Department of Mathematics

except MTG 4212.

B. Mathematical Biology Concentration 45 hrs

Students are to have completed these courses

in the GEP and CPP

BSC 2010C Biology I 4 hrs

BSC 2011C Biology II 4 hrs

CHM 2045C Chemistry Fundamentals I 4 hrs

- or the two semester equivalent

Complete all of the following

CHM 2046 Chemistry Fundamentals II 3 hrs

CHM 2046L Chemistry Fundamentals Laboratory 1 hr

CHM 2210 Organic Chemistry I 3 hrs

CHM 2211 Organic Chemistry II 3 hrs

MAP 4484 Mathematical Biology I 3 hrs

PHY 2048C Physics for Engineers & Scientists I 4 hrs

PHY 2049C Physics for Engineers and Scientists II 4 hrs

STA 2023 Statistical Methods I 3 hrs

STA 4321 Statistical Theory I 3 hrs

STA 4322 Statistical Theory II 3 hrs

Any 4000, or 5000 level course with an MAP or MAT prefix

offered by the Department of Mathematics.

Any 4000, or 5000 level course with an MAA, MAD, MAS,

or MTG prefix, offered by the Department of Mathematics

except MTG 4212.

Select from lecture courses listed in the 9 hrs

restricted electives within the Biology and/or

Biomedical Sciences programs.

C. Mathematical Economics Concentration 39 hrs

Students are to have completed this course in

the GEP

ECO 2013 Principles of Macroeconomics 3 hrs

Complete all of the following

ECO 2023 Principles of Microeconomics 3 hrs

ECO 3101 Intermediate Microeconomics 3 hrs

ECO 3203 Intermediate Macroeconomics 3 hrs

ECO 3410 Mathematical Economics 3 hrs

ECO 4412 Econometrics 3 hrs

STA 2023 Statistical Methods I 3 hrs

STA 4321 Statistical Theory I 3 hrs

- Select from the following 9 hrs

ECO 3703 International Microeconomics or

ECO 4504 Public Economics or

ECO 4713 International Macroeconomics or

ECP 4303 Environmental and Natural Resource

Economics or

ECP 4403 Industrial Organization and Game Theory

or

STA 4322 Statistical Theory II 3 hrs

- Select 1 3 hrs

MAP 4113 Probability, Random Processes and

Applications or

MAP 4171 Optimization or

MAP 4303 Ordinary Differential Equations II or

MAP 4341 Introduction to Partial Differential Equations

or

MAP 4371 Numerical Methods for Differential

Equations or

MAP 4384 Numerical Methods for Computational

Sciences 3 hrs



UCF Degree Programs

- Select 1		3 hrs
MAA 4402	Introduction to Complex Variables or	3 hrs
MAD 4203	Introduction to Combinatorics or	3 hrs
MAD 4301	Introduction to Graph Theory	3 hrs

D. Computational Concentration 46 hrs

Students are to have completed this course in the GEP and CPP

COP 3502C	Computer Science I	3 hrs

Complete all of the following

COP 3503C	Computer Science II	3 hrs
MAP 4303	Ordinary Differential Equations II	3 hrs
MAP 4341	Introduction to Partial Differential Equations	3 hrs
STA 2023	Statistical Methods I	3 hrs
STA 4321	Statistical Theory I	3 hrs
STA 4322	Statistical Theory II	3 hrs

- Select 1 3 hrs

MAP 4371	Numerical Methods for Differential Equations or	3 hrs
MAP 4384	Numerical Methods for Computational Sciences	3 hrs

- Select from the following 18 hrs

COP 3402	Systems Software or	3 hrs
COP 4020	Programming Languages I or	3 hrs
COP 4331C	Processes for Object-Oriented Software Development or	3 hrs
COP 4600	Operating Systems or	3 hrs
COT 4210	Discrete Structures II or	3 hrs
EEL 4768	Computer Architecture	3 hrs

- Select 1 3 hrs

MAP 4103	Mathematical Modeling I or	3 hrs
MAP 4153	Vector and Tensor Analysis or	3 hrs
MAP 4171	Optimization	3 hrs

- Select 1 3 hrs

MAA 4402	Introduction to Complex Variables or	3 hrs
MAD 4203	Introduction to Combinatorics or	3 hrs
MAD 4301	Introduction to Graph Theory	3 hrs

E. Engineering/Physics Concentration 42 hrs

Students are to have completed the following to satisfy the GEP and CPP:

PHY 2048C	Physics for Engineers & Scientists I	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

Complete all the following 18 hrs

EGN 3321	Engineering Analysis-Dynamics and	3 hrs
MAA 4402	Introduction to Complex Variables and	3 hrs
MAP 4103	Mathematical Modeling I and	3 hrs
PHY 3101	Physics for Engineers and Scientists III and	3 hrs
MAP 4303	Ordinary Differential Equations II and	3 hrs
MAP 4341	Introduction to Partial Differential Equations	3 hrs

- Select 1 3 hrs

COT 4500	Numerical Calculus or	3 hrs
EGN 3420	Engineering Analysis or	3 hrs
MAP 4371	Numerical Methods for Differential Equations or	3 hrs
MAP 4384	Numerical Methods for Computational Sciences or	3 hrs
PHZ 3151	Computer Methods in Physics	3 hrs

- Select 1 3 hrs

EGN 3310	Engineering Analysis-Statics or	3 hrs
PHY 3220	Mechanics I	3 hrs

- Select 1 3 hrs

EGN 3343	Thermodynamics or	3 hrs
EGN 3358	Thermo-Fluids-Heat Transfer or	3 hrs
PHY 3513	Thermal and Statistical Physics	3 hrs

- Select 2 6 hrs

CES 4100C	Structural Analysis I and Lab or	4 hrs
EAS 3101	Fundamentals of Aerodynamics or	3 hrs
EEL 3004C	Electrical Networks or	3 hrs
EGM 3601	Solid Mechanics or	3 hrs
EGN 3331	Mechanics of Materials or	3 hrs
EIN 2002	Introduction to Industrial Engineering and	1 hr
EML 4220	Management Systems or	3 hrs
	Vibration Analysis or	3 hrs

ESI 4312	Operations Research or	3 hrs
PHY 4604	Wave Mechanics I or	3 hrs
PHY 4605	Wave Mechanics II	3 hrs

- Select 2 6 hrs

CWR 3201	Engineering Fluid Mechanics or	3 hrs
EAS 4105	Flight Mechanics or	3 hrs
EAS 4200	Analysis & Design of Aerospace Structures	3 hrs

EAS 4400	Spacecraft Attitude Dynamics or	3 hrs
EAS 4505	Orbital Mechanics or	3 hrs
EEE 3342C	Digital Systems or	3 hrs
EGN 3365	Structure and Properties of Materials or	3 hrs
EGN 3613	Engineering Economic Analysis or	2 hrs
EEL 3470	Electromagnetic Fields or	3 hrs
EEL 3552C	Analog and Digital Communication	4 hrs

	Fundamentals or	
EEL 3657	Linear Control Systems or	3 hrs
EEL 3801C	Computer Organization or	3 hrs
EEL 4742C	Embedded Systems or	4 hrs
EEL 4750	Digital Signal Processing Fundamentals or	3 hrs
EEL 4832	Engineering Applications of Computer	3 hrs

	Methods or	
EEL 4851C	Engineering Data Structures or	4 hrs
EIN 4333	Production and Distribution Systems or	3 hrs
EMA 4223	Fundamentals of Mechanical Behavior of	3 hrs

	Materials or	
EML 3262	Kinematics of Mechanisms or	3 hrs
EML 3701	Fluid Mechanics I or	3 hrs
EML 4142	Heat Transfer or	3 hrs
EML 4312C	Feedback Control or	3 hrs
EML 4703	Fluid Mechanics II or	3 hrs
ENV 4561	Environmental Engineering Operations &	3 hrs

	Processes II or	
ESI 4234	Quality Engineering or	3 hrs
ESI 4523C	Systems Simulation or	3 hrs
PHY 3323	Electricity and Magnetism I or	3 hrs
PHY 4324	Electricity and Magnetism II or	3 hrs
STA 4321	Statistical Theory I or	3 hrs
STA 4322	Statistical Theory II	3 hrs

- Select 1 3 hrs

MAD 4203	Introduction to Combinatorics or	3 hrs
MAD 4301	Introduction to Graph Theory	3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each course used to satisfy the degree program.

- Participate in an exit interview.

- Fulfill Exit Examination requirement.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120



Honors In Major

- None

Related Programs

- Aerospace Engineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Electrical Engineering
- Industrial Engineering
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

Certificates

- Educational Studies

Related Minors

- Actuarial Science
- Bioengineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Education
- Environmental Studies
- Information Technology
- Mathematics
- Mathematics Education
- Physics
- Statistics
- Technological Entrepreneurship

Advising Notes

- Students with adequate preparation can consult with the department undergraduate advisor on substituting graduate classes for departmental electives.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
- Computer Programming: may use any programming course with a COP prefix.
- Laboratory Science: may use any GLY, PHY, CHM or BSC course with a lab designed for science majors; however, the biology, chemistry and physics classes are core requirements and still must be taken.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ <http://chemplacement.sdes.ucf.edu>
- Prior to enrolling in Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>

Freshman Year - Fall

MAC 2311C	Calculus with Analytic Geometry I	4 hrs
ENC 1101	Composition I	3 hrs
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

Freshman Year - Spring

MAC 2312	Calculus with Analytic Geometry II	4 hrs
MHF 3302	Logic and Proof in Mathematics	3 hrs
ENC 1102	Composition II	3 hrs
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Fall

MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAS 3105	Matrix and Linear Algebra	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
GEP		3 hrs

Sophomore Year - Spring

MAP 2302	Ordinary Differential Equations I	3 hrs
MAS 3106	Linear Algebra	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
GEP		3 hrs

Junior Year - Fall

MAA 4226	Advanced Calculus I	4 hrs
MAS 4301	Abstract Algebra I	3 hrs
COP 3223	Introduction to Programming with C	3 hrs
MAP 4341	Introduction to Partial Differential Equations	3 hrs
Elective		3 hrs

Junior Year - Spring

MAA 4227	Advanced Calculus II	3 hrs
MAA 4402	Introduction to Complex Variables	3 hrs
COP 3502C	Computer Science I	3 hrs
MAP 4303	Ordinary Differential Equations II	3 hrs
Elective		3 hrs

Senior Year - Fall

MAD 4203	Introduction to Combinatorics	3 hrs
MAP 4371	Numerical Methods for Differential Equations	3 hrs
Elective		3 hrs
Elective		3 hrs
Elective		3 hrs

Senior Year - Spring

MAD 4301	Introduction to Graph Theory	3 hrs
MTG 4302	Introduction to Topology	3 hrs
Elective		3 hrs
Elective		3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Mathematics Education (B.S.)

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209

<http://education.ucf.edu/mathed>

Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu, 407-823-4336

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.



UCF Degree Programs

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
 ■ Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	PHI 2010	Introduction to Philosophy	3 hrs

C: Mathematical Foundations (7 hrs)

Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs
Required	STA 2023	Statistical Methods I	3 hrs

D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

E: Science Foundations (6 hrs)

Prefer	PSC 1121	Physical Science	3 hrs

Select 1: (3 hrs)

Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

2. Common Program Prerequisites (CPP) (17 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
¹ EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
MAC 2311C	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs

¹ In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (6 hrs)

- Students should consult advisor regarding course options.

¹ EDF 2130	Child and Adolescent Development for Educators	3 hrs
MAC 2311C	Calculus with Analytic Geometry I	GEP
STA 2023	Statistical Methods I	GEP
MAC 2312	Calculus with Analytic Geometry II	CPP
MAC 2313	Calculus with Analytic Geometry III	CPP
MAP 2302	Ordinary Differential Equations I	3 hrs

¹ Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)

Education Core Requirements 18 hrs

- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs

Internship I Block 7 hrs

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicalexp/>

MAE 4360	Mathematics Instructional Analysis	4 hrs
MAE 3940	Internship	3 hrs

Specialization Requirements 23 hrs

- A grade of "C-" (1.75) or better is required.

MAS 3105	Matrix and Linear Algebra	4 hrs
MAS 3203	Introduction to Number Theory	3 hrs
MHF 3302	Logic and Proof in Mathematics	3 hrs
MHF 4404	History of Mathematics	3 hrs
MTG 4212	Modern Geometries	4 hrs
STA 4163	Statistical Methods II	3 hrs
MAE 4634	Programs in Teaching of Mathematics	3 hrs

Internship II 12 hrs

- At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

- Passing scores on the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.clinical-experiences.education.ucf.edu>.

- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

MAE 4941	Internship	12 hrs

5. Restricted Electives

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None



8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.

- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

(120 hrs)

Freshman Year - Fall

13 hrs

ENC 1101	Composition I	3 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
PSC 1121	Physical Science	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs

Freshman Year - Spring

16 hrs

ENC 1102	Composition II	3 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs

Select 1:

3 hrs

ANT 2511	The Human Species or	3 hrs
BSC 1005	Biological Principles	3 hrs

Freshman Year - Summer

10 hrs

MAC 2313	Calculus with Analytic Geometry III	4 hrs
PHI 2010	Introduction to Philosophy	3 hrs
PSY 2012	General Psychology	3 hrs

Sophomore Year - Fall

15 hrs

EDF 2005	Introduction to the Teaching Profession	3 hrs
MAP 2302	Ordinary Differential Equations I	3 hrs
MHF 3302	Logic and Proof in Mathematics	3 hrs
POS 2041	American National Government	3 hrs
STA 2023	Statistical Methods I	3 hrs

Sophomore Year - Spring

16 hrs

EME 2040	Introduction to Technology for Educators	3 hrs
EDF 2085	Introduction to Diversity for Educators	3 hrs
MAS 3105	Matrix and Linear Algebra	4 hrs
MAS 3203	Introduction to Number Theory	3 hrs
¹ EDF 2130	Child and Adolescent Development for Educators	3 hrs

¹ Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Fall

13 hrs

EDF 4467	Learning Theory and Assessment	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
MTG 4212	Modern Geometries	4 hrs

Junior Year - Spring

12 hrs

RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
MAE 4634	Programs in Teaching of Mathematics	3 hrs
STA 4163	Statistical Methods II	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

Senior Year - Fall

13 hrs

MAE 3940	Internship	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
MHF 4404	History of Mathematics	3 hrs
MAE 4360	Mathematics Instructional Analysis	4 hrs

Senior Year - Spring

12 hrs

MAE 4941	Internship	12 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$12 per term
- Full-Time Student: \$24 per term

Mechanical Engineering (B.S.M.E.)

College of Engineering and Computer Science

Department of Mechanical and Aerospace Engineering, Engineering I, Room: 307

<http://www.mmae.ucf.edu>

Email: mmaeugrad@ucf.edu

Dr. Kuo-Chi Lin, Kurt.Lin@ucf.edu, 407-823-0137

Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448

Phone: 407-823-2416

Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.

- Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements

- None

1. UCF General Education Program (GEP) (38 hrs)

- The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs



UCF Degree Programs

Select 1:			3 hrs
Prefer	SPC 1603C	Fundamentals of Technical Presentations or	3 hrs
Suggested	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations	(9 hrs)
Select two courses from Historical Foundations	6 hrs
Select one class from Cultural Foundations	3 hrs

C: Mathematical Foundations			(7 hrs)
Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs
Required	STA 3032	Probability and Statistics for Engineers	3 hrs

D: Social Foundations			(6 hrs)
Select 1:			3 hrs
Prefer	ECO 2013	Principles of Macroeconomics or	3 hrs
Prefer	ECO 2023	Principles of Microeconomics	3 hrs
Select one class from Social Foundations			3 hrs

E: Science Foundations			(7 hrs)
Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Select one class from Science Foundations			3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
 ■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

¹ MAC 2311C	Calculus with Analytic Geometry I	GEP
¹ MAC 2312	Calculus with Analytic Geometry II	4 hrs
¹ MAC 2313	Calculus with Analytic Geometry III	4 hrs
¹ MAP 2302	Ordinary Differential Equations I	3 hrs
¹ PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

¹ A "C" (2.0) or better is required in this course.

Select one of the following sequences of courses:

-Preferred course	
CHS 1440	Fundamentals of Chemistry for Engineers 4 hrs

or- First alternative: Select all of the following:			6 hrs
CHM 2040	Chemistry Fundamentals IA and		3 hrs
CHM 2041	Chemistry Fundamentals IB		3 hrs

or- Second alternative		
CHM 2045C	Chemistry Fundamentals I	4 hrs

3. Core Requirements: Basic Level (2 hrs)
Required Courses: Basic 2 hrs
 ■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

4. Core Requirements: Advanced Level		(63 hrs)
Required Courses: Advanced		36 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3343	Thermodynamics	3 hrs
EGN 3365	Structure and Properties of Materials	3 hrs
EGN 3373	Principles of Electrical Engineering	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP
EML 3034C	Modeling Methods in Mechanical and Aerospace Engineering	3 hrs
EML 3303C	Mechanical Engineering Measurements	3 hrs
EGM 3601	Solid Mechanics	3 hrs
EML 3701	Fluid Mechanics I	3 hrs
EML 4142	Heat Transfer	3 hrs
EML 3217	Engineering Mechanics - Dynamics	3 hrs
EML 4225	Introduction to Vibrations and Controls	3 hrs

EML 3500	Design and Analysis of Machine Components	3 hrs

Select 2 of the Following:		6 hrs
EML 3101	Thermodynamics of Mechanical Systems or	3 hrs
EML 4143	Heat Transfer II or	3 hrs
EML 4313	Intermediate System Dynamics and Controls or	3 hrs
EML 4703	Fluid Mechanics II or	3 hrs
EML 4504	Design & Analysis of Machine Components II	3 hrs

Select 1 of the Following:	3 hrs
EML 4301C Mechanical Systems Lab or	3 hrs
EML 4306C Energy Systems Lab	3 hrs

5. Restricted Electives
Approved Electives 18 hrs
 ■ Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of approved restricted technical electives and the terms when specific courses of this type are offered.

6. Capstone Requirements (6 hrs)
 ■ These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

Select 1:		3 hrs
EML 4501C	Engineering Design I or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

Select 1:		3 hrs
EML 4502C	Engineering Design II or	3 hrs
EGN 4413C	Interdisciplinary Design II	3 hrs

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 128

Honors In Major

■ None

Related Programs

■ Aerospace Engineering

Certificates

■ None

Related Minors

- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership



Advising Notes

■ Double Degree/Double Major requirements listed under the college section of the catalog.

Career and Academic Advising

■ The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EML 3990	Mechanical Career and Academic Faculty Advising I	0 hrs
EML 4991	Mechanical Career and Academic Faculty Advising II	0 hrs

Transfer Notes

■ EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.

■ Courses taken from Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.

■ Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (128 hrs)

■ Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs

EGN 1006C	Introduction to the Engineering Profession	1 hr
ENC 1101	Composition I	3 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs

Select 1: 4 hrs

CHS 1440	Fundamentals of Chemistry for Engineers or	4 hrs
CHM 2045C	Chemistry Fundamentals I or	4 hrs
¹ CHM 2040	Chemistry Fundamentals IA	3 hrs

¹ Must take CHM 2041 to complete the sequence

Freshman Year - Spring 15 hrs

EGN 1007C	Engineering Concepts and Methods	1 hr
ENC 1102	Composition II	3 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
GEP		3 hrs

Freshman Year - Summer 10 hrs

MAC 2313	Calculus with Analytic Geometry III	4 hrs
GEP		3 hrs
EGN 3365	Structure and Properties of Materials	3 hrs

Sophomore Year - Fall 13 hrs

MAP 2302	Ordinary Differential Equations I	3 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

Sophomore Year - Spring 12 hrs

EGN 3343	Thermodynamics	3 hrs
EGM 3601	Solid Mechanics	3 hrs
EGN 3373	Principles of Electrical Engineering	3 hrs
EML 3217	Engineering Mechanics - Dynamics	3 hrs

Sophomore Year - Summer 9 hrs

GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

Junior Year - Fall 15 hrs

EML 3701	Fluid Mechanics I	3 hrs
EML 3034C	Modeling Methods in Mechanical and Aerospace Engineering	3 hrs
EML 3303C	Mechanical Engineering Measurements	3 hrs

GEP		3 hrs
EML 3990	Mechanical Career and Academic Faculty Advising I	0 hrs
EML 3500	Design and Analysis of Machine Components	3 hrs

Junior Year - Spring 15 hrs

EML 4142	Heat Transfer	3 hrs
EML 4225	Introduction to Vibrations and Controls	3 hrs
Upper Division Elective		3 hrs
Upper Division Elective		3 hrs
GEP		3 hrs

Senior Year - Fall 15 hrs

Upper Division Elective		3 hrs
Upper Division Elective		3 hrs
EML 4991	Mechanical Career and Academic Faculty Advising II	0 hrs

Select 1: 3 hrs

EML 4501C	Engineering Design I or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

Select 2 6 hrs

EML 3101	Thermodynamics of Mechanical Systems or	3 hrs
EML 4143	Heat Transfer II or	3 hrs
EML 4313	Intermediate System Dynamics and Controls or	3 hrs
EML 4703	Fluid Mechanics II or	3 hrs
EML 4504	Design & Analysis of Machine Components II	3 hrs

Senior Year - Spring 12 hrs

Upper Division Elective		3 hrs
Upper Division Elective		3 hrs

Select 1: 3 hrs

EML 4502C	Engineering Design II or	3 hrs
EGN 4413C	Interdisciplinary Design II	3 hrs

Select 1 3 hrs

EML 4301C	Mechanical Systems Lab or	3 hrs
EML 4306C	Energy Systems Lab	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Medical Laboratory Sciences (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology,

Health & Public Affairs II, Room: 335

<http://www.biomed.ucf.edu>

Dr. Richard Peppler, Interim Director

Dorilyn Hitchcock, Program Director

Phone: 407-823-5932

Admission Requirements

- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.

UCF Degree Programs

■ This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

■ All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0).

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida College System or State University System.

■ Students should consult with a departmental advisor.

■ The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.

■ A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.

■ UCF Residency Requirement: 32 hours.

■ The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

■ An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Prefer MAC 1105C College Algebra 3 hrs

Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I 4 hrs

Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (25 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I GEP

STA 2023 Statistical Methods I GEP

¹ ZOO 3733C Human Anatomy 4 hrs

¹ MCB 3020C General Microbiology 5 hrs

¹ PCB 3703C Human Physiology 4 hrs

Take all of the following: 4 hrs

CHM 2045C Chemistry Fundamentals I and GEP

CHM 2046 Chemistry Fundamentals II and 3 hrs

CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Take all of the following: 8 hrs

CHM 2210 Organic Chemistry I and 3 hrs

CHM 2211 Organic Chemistry II and 3 hrs

CHM 2211L Organic Laboratory Techniques I 2 hrs

¹ See Transfer Notes

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (64 hrs)

MLS 3220C Techniques in Clinical Microscopy 3 hrs

MLS 4625 Advanced Clinical Chemistry I 3 hrs

MLS 4630 Advanced Clinical Chemistry II 3 hrs

PCB 3233 Immunology 3 hrs

MLS 4430C Clinical Parasitology 3 hrs

MLS 3305 Hematology 3 hrs

MLS 4505C Immunodiagnostics 3 hrs

MLS 4910 Introduction to Clinical Research 1 hr

MLS 4550 Clinical Immunohematology 4 hrs

MLS 4460L Clinical Pathogenic Microbiology Lab 1 hr

MLS 4334 Hemostasis 3 hrs

MLS 4625L Advanced Clinical Chem I Lab 1 hr

PCB 3233L Immunology Laboratory 1 hr

MLS 3305L Hematology Lab 1 hr

MLS 4933 Medical Technology Seminar 2 hrs

MLS 3705 Concepts in Education/Management 3 hrs

MLS 4830L Interpretive & Practical Clinical Chemistry 4 hrs

MLS 4831L Interpretive & Practical Immunohematology 4 hrs

MLS 4832L Interpretive & Practical Hematology 4 hrs

MLS 4833L Diagnostic Microbiology 4 hrs

CGS 1060C Introduction to Computers 3 hrs

BSC 3403C Quantitative Biological Methods 4 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ A minimum 2.5 overall GPA is required for clinical assignment.

■ The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University's didactic component and the clinical component in affiliated hospital laboratories.

■ Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.

■ Students must earn a grade of "C" (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 126

Honors In Major

■ None

Related Programs

■ Biomedical Sciences

■ Biology

■ Chemistry

Certificates

■ None

Related Minors

■ Biomedical Sciences

■ Biology

■ Chemistry

Advising Notes

■ None



Transfer Notes

■ Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses

Human Anatomy and Physiology I and II (BSC 2093/BSC 2094)	8 hrs
MCB 3020C General Microbiology	5 hrs
may be substituted with: MCB 2010C	

Plan of Study

Freshman Year - Fall	16 hrs
ENC 1101 Composition I	3 hrs
MAC 1105C College Algebra	3 hrs
SPC 1608 Fundamentals of Oral Communication	3 hrs
CHM 2045C Chemistry Fundamentals I	4 hrs
CGS 1060C Introduction to Computers	3 hrs

Freshman Year - Spring	17 hrs
ENC 1102 Composition II	3 hrs
BSC 2010C Biology I	4 hrs
CHM 2046 Chemistry Fundamentals II	3 hrs
CHM 2046L Chemistry Fundamentals Laboratory	1 hr
STA 2023 Statistical Methods I	3 hrs

Select 1:	3 hrs
ANT 2000 General Anthropology or	3 hrs
SYG 2000 Introduction to Sociology or	3 hrs
PSY 2012 General Psychology	3 hrs

Sophomore Year - Fall	16 hrs
CHM 2210 Organic Chemistry I	3 hrs
ZOO 3733C Human Anatomy	4 hrs

Select 1:	3 hrs
POS 2041 American National Government or	3 hrs
ECO 2013 Principles of Macroeconomics	3 hrs

Take all of the following:

Select 1:	3 hrs
EUH 2000 Western Civilization I or	3 hrs
HUM 2210 Humanistic Tradition I or	3 hrs
AMH 2010 U.S. History: 1492-1877	3 hrs

Select 1:	3 hrs
MUL 2010 Enjoyment of Music or	3 hrs
THE 2000 Theatre Survey or	3 hrs
REL 2300 World Religions or	3 hrs
PHI 2010 Introduction to Philosophy	3 hrs

Sophomore Year - Spring	17 hrs
CHM 2211 Organic Chemistry II	3 hrs
CHM 2211L Organic Laboratory Techniques I	2 hrs
MCB 3020C General Microbiology	5 hrs
PCB 3703C Human Physiology	4 hrs

Select 1:	3 hrs
EUH 2001 Western Civilization II or	3 hrs
HUM 2230 Humanistic Tradition II or	3 hrs
AMH 2020 U.S. History: 1877-Present	3 hrs

Junior Year - Fall	13 hrs
MLS 3220C Techniques in Clinical Microscopy	3 hrs
MLS 4625 Advanced Clinical Chemistry I	3 hrs
MLS 4625L Advanced Clinical Chem I Lab	1 hr
PCB 3233 Immunology	3 hrs
PCB 3233L Immunology Laboratory	1 hr
MLS 4430C Clinical Parasitology	3 hrs

Junior Year - Spring	16 hrs
MLS 3305 Hematology	3 hrs
MLS 3305L Hematology Lab	1 hr
MLS 4630 Advanced Clinical Chemistry II	3 hrs
MLS 4460L Clinical Pathogenic Microbiology Lab	1 hr

Junior Year - Summer	7 hrs
MLS 4334 Hemostasis	3 hrs
MLS 4550 Clinical Immunohematology	4 hrs

Senior Year - Fall	16 hrs
MLS 4830L Interpretive & Practical Clinical Chemistry	4 hrs
MLS 4831L Interpretive & Practical Immunohematology	4 hrs
MLS 4832L Interpretive & Practical Hematology	4 hrs
MLS 4833L Diagnostic Microbiology	4 hrs

Senior Year - Spring	13 hrs
MLS 4910 Introduction to Clinical Research	1 hr
MLS 4505C Immunodiagnostics	3 hrs
MLS 4933 Medical Technology Seminar	2 hrs
MLS 3705 Concepts in Education/Management	3 hrs
BSC 3403C Quantitative Biological Methods	4 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$39 per term
- Full-Time Student: \$78 per term

Music (B.A.)

College of Arts and Humanities

Department of Music,

Performing Arts Center, Room: M203

<http://music.cah.ucf.edu>

Email: ucfmusic@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

- Each student must complete an audition that demonstrates satisfactory performance proficiency.
- The audition will serve as a placement examination for accepted candidates

Degree Requirements

- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to <http://www.music.ucf.edu/students> to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major
- Students should consult with a departmental advisor for course selections
- Courses designated in 1 (General Education Program) are usually spread over the full four years
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- 1. UCF General Education Program (GEP) (36 hrs)**
- (see General Education Program for detailed information)

A: Communication Foundations	(9 hrs)
Required ENC 1101 Composition I	3 hrs
Required ENC 1102 Composition II	3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations	(9 hrs)
Required MUH 3212 Music History and Literature II	3 hrs
Select one course from 1.B.1 list	3 hrs
Select one course from 1.B.1 or 1.B.2 list	3 hrs

C: Mathematical Foundations	(6 hrs)
Math	3 hrs
Suggested MGF 1107 Explorations in Mathematics	3 hrs
or	
Suggested MGF 1106 Finite Mathematics or	3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam	

Statistics-Computers	3 hrs
Select a course from GEP C.2 list	3 hrs

D: Social Foundations	(6 hrs)



UCF Degree Programs

E: Science Foundations (6 hrs) 2. Common Program Prerequisites (CPP) (28 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

MUT 1121	Music Theory and Musicianship I	4 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MUT 2127	Music Theory and Musicianship IV	4 hrs
MVK 1111	Class Piano I	1 hr
MVK 1112	Class Piano II	1 hr
MVK 2121	Class Piano III	1 hr
MVK 2122	Class Piano IV	1 hr
MUN XXXX	Ensembles	4 hrs
MXV XXXX	Performance	4 hrs

3. Core Requirements: Basic Level (6 hrs)

¹ MUS 1010	Music Forum	0 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs
MUS 2360C	Introduction to Music Technology	3 hrs

¹ (4 semesters)

4. Core Requirements: Advanced Level (3 hrs)

MUH 3211	Music History and Literature I	3 hrs
MUH 3212	Music History and Literature II	GEP

5. Restricted Electives (33 hrs)

Restricted Electives-Music 15 hrs

■ Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)

Choose one MUT 3XXX or MUT 4XXX course	3 hrs

Restricted Electives-Non-Music 18 hrs

■ Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

6. Capstone Requirements

MUS 4900	Music BA Capstone Project	3 hrs

7. Foreign Language Requirements

Admissions

■ Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

■ Select primarily from upper-level courses

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Earn a grade of "C" (2.0) or better in each Music course

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

- Music Education
- Theatre
- Theatre - Musical Theatre Track

Certificates

■ None

Related Minors

■ Music

■ Theatre

Advising Notes

■ None

Transfer Notes

■ Lower division courses do not substitute for upper division courses.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

■ Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall 17 hrs

¹ ENC 1101	Composition I	3 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs
MVK 1111	Class Piano I	1 hr
MUS 1010	Music Forum	0 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs
MUN XXXX	Ensemble	1 hr
MXV 141X	Performance I	2 hrs
GEP E.1.	Science Foundation	3 hrs

¹ (GEP A.1.)

Freshman Year - Spring 14 hrs

ENC 1102	Composition II	3 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MVK 1112	Class Piano II	1 hr
MUS 1010	Music Forum	0 hrs
MUS 2360C	Introduction to Music Technology	3 hrs
MUN XXXX	Ensemble	1 hr
MXV 141X	Performance I	2 hrs

Sophomore Year - Fall 16 hrs

¹ SPC 1608	Fundamentals of Oral Communication	3 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MVK 2121	Class Piano III	1 hr
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
MUS 1010	Music Forum	0 hrs
MUN XXXX	Ensemble	1 hr
XXX 1120	Foreign Language	4 hrs

¹ (GEP A.3.)

Sophomore Year - Spring 16 hrs

MUT 2127	Music Theory and Musicianship IV	4 hrs
MVK 2122	Class Piano IV	1 hr
MUS 1010	Music Forum	0 hrs
MGF 1106	Finite Mathematics	3 hrs
MUN XXXX	Ensemble	1 hr
GEP B.1.	Cultural & Historical Foundation	3 hrs
XXX 1121	Foreign Language	4 hrs

Junior Year - Fall 15 hrs

MUH 3211	Music History and Literature I	3 hrs
GEP B.2.	Cultural & Historical Foundation	3 hrs
MUT 3/4XXX		3 hrs
MUX 3/4XXX	Music Restricted Elective	3 hrs
3XXX 3/4XXX	Non-Music Restricted Elective	3 hrs

Junior Year - Spring 15 hrs

MUH 3212	Music History and Literature II	3 hrs
Elective		3 hrs
MUX 3/4XXX	Music Restricted Elective	3 hrs
MUX 3/4XXX	Music Restricted Elective	3 hrs
XXX 3/4XXX	Non-Music Restricted Elective	3 hrs

Senior Year - Fall 15 hrs

GEP D.1.	Social Foundation	3 hrs
XXX 3/4XXX	Non-Music Restricted Elective	3 hrs
MUX 3/4XXX	Music Restricted Elective	3 hrs
GEP E.2.	Science Foundation	3 hrs
XXX 3/4XXX	Non-Music Restricted Elective	3 hrs



Senior Year - Spring	12 hrs
MUS 4900 Music BA Capstone Project	3 hrs
GEP D.2. Social Foundation	3 hrs
XXX 3/4XXX Non-Music Restricted Elective	3 hrs
XXX 3/4XXX Non-Music Restricted Elective	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Music - Jazz Studies Track (B.M.)

College of Arts and Humanities

Department of Music,

Performing Arts Center - Music, Room: M203

<http://music.cah.ucf.edu>

Email: musicaud@ucf.edu

J. Rupert, JeffRupert@ucf.edu, 407-823-5411

Kirk Gay, Kirk.Gay@ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission

■ Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to <http://music.cah.ucf.edu/admissions.php> to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

■ The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review

■ During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include:

- An evaluation of performance skills
- Completion of Performance I and II
- Completion of MUS 2360C
- Completion of MUT 2127, Music Theory and Musicianship IV

■ Completion of Class Piano IV

■ Completion of Jazz Theory I & II

■ Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0

■ This review is a pre-requisite for Performance level III.

Degree Requirements

■ Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to <http://music.ucf.edu/> to see the class piano requirements.

■ Students who change degree programs and select this major must adopt the most current catalog.

■ At least 65 hours of credit must be earned in music courses.

■ Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.

■ Performance students must present two faculty-approved public recitals.

■ Students should consult with a departmental advisor for course selection.

■ Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

■ Students must complete a faculty-approved Senior BM web portfolio.

1. UCF General Education Program (GEP) (36 hrs)

■ (See General Education program for detailed information)

A: Communication Foundations (9 hrs)

Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

Take all of the following:	6 hrs
Required ENC 1101 Composition I and	3 hrs
Required ENC 1102 Composition II	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Required MUL 2016 Evolution of Jazz 3 hrs
 Select one course from 1.B.1 list 3 hrs
 Select one course from 1.B.1 list or 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

Math 3 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs
 Suggested MGF 1107 Explorations in Mathematics 3 hrs
 or

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (24 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

MUT 1121	Music Theory and Musicianship I	4 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MUT 2127	Music Theory and Musicianship IV	4 hrs
¹ MUN 3713	Jazz Ensemble	1 hr
MVK 1111	Class Piano I	1 hr
MVK 1112	Class Piano II	1 hr
MVK 2121	Class Piano III	1 hr
MVK 2122	Class Piano IV	1 hr

¹ Four semesters for total 4 hrs

3. Core Requirements: Basic Level (6 hrs)

MUL 2014	Introduction to Music History and Literature	3 hrs
MUS 2360C	Introduction to Music Technology	3 hrs
¹ MUS 1010	Music Forum	0 hrs
MUL 2016	Evolution of Jazz	GEP

¹ Eight semesters

4. Core Requirements: Advanced Level (54 hrs)

MUT 3170	Jazz Theory I	3 hrs
MUT 3171	Jazz Theory II	3 hrs
¹ MUT 3923	Jazz Workshop	3 hrs
MUS 4320	Music Business and Industry	3 hrs
MUH 4814	Jazz Styles and Analysis	3 hrs
MUS 3953	Recital Performance I	0 hrs
MUS 4954	Recital Performance II	0 hrs

Select 1: 3 hrs

MUH 3211	Music History and Literature I or	3 hrs
MUH 3212	Music History and Literature II	3 hrs

¹ Four semesters for total 12 hrs

Specialty Requirements (Choose one): 27 hrs

■ All courses are taken for two semesters each except restricted elective courses

Trumpet

MVB 1411	Trumpet I	2 hrs
MVB 2421	Trumpet II	2 hrs
MVB 3431	Trumpet III	2 hrs
MVB 4441	Trumpet IV	4 hrs
Restricted Electives		5 hrs

Trombone

MVB 1413	Trombone I	2 hrs
MVB 2423	Trombone II	2 hrs
MVB 3433	Trombone III	2 hrs
MVB 4443	Trombone IV	4 hrs
Restricted Electives		5 hrs

Saxophone

MVW 1415	Saxophone I	2 hrs
MVW 2425	Saxophone II	2 hrs
MVW 3435	Saxophone III	2 hrs
MVW 4445	Saxophone IV	4 hrs
Restricted Electives		5 hrs



UCF Degree Programs

Jazz Piano

MVJ 1010	Jazz Piano I	2 hrs
MVJ 2220	Jazz Piano II	2 hrs
MVJ 3230	Jazz Piano III	3 hrs
MVJ 4240	Jazz Piano IV	4 hrs
MVK 1211	Secondary Piano	1 hr
Restricted Electives		3 hrs

Jazz Bass

MVJ 1214	Jazz Bass I	2 hrs
MVJ 2224	Jazz Bass II	2 hrs
MVJ 3234	Jazz Bass III	3 hrs
MVJ 4244	Jazz Bass IV	4 hrs
MVS 1214	Secondary Bass	1 hr
Restricted Electives		3 hrs

Jazz Guitar

MVJ 1213	Jazz Guitar I	2 hrs
MVJ 2223	Jazz Guitar II	2 hrs
MVJ 3233	Jazz Guitar III	3 hrs
MVJ 4243	Jazz Guitar IV	4 hrs
MVS 1216	Secondary Guitar	1 hr
Restricted Electives		3 hrs

Jazz Drum Set

MVJ 1219	Jazz Drum Set I	2 hrs
MVJ 2229	Jazz Drum Set II	2 hrs
MVJ 3339	Jazz Drum Set III	3 hrs
MVJ 4349	Jazz Drum Set IV	4 hrs
MVP 1211	Secondary Percussion	1 hr
Restricted Electives		3 hrs

5. Restricted Electives

- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by the following course, or departmental examination:

MUS 2360C	Introduction to Music Technology	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Music Education
- Music
- Theatre

Certificates

- None

Related Minors

- Music
- Theatre
- Digital Media

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Program A: Jazz Trumpet, Trombone, Saxophone

Freshman Year - Fall 14 hrs

ENC 1101	Composition I	3 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs
MUN 3713	Jazz Ensemble	1 hr
MVK 1111	Class Piano I	1 hr
MUS 1010	Music Forum	0 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs
MXV 141X	Performance I	2 hrs

Freshman Year - Spring 17 hrs

ENC 1102	Composition II	3 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MUN 3713	Jazz Ensemble	1 hr
MVK 1112	Class Piano II	1 hr
MUS 1010	Music Forum	0 hrs
MUL 2016	Evolution of Jazz	3 hrs
MXV 141X	Performance I	2 hrs
Science Foundation		3 hrs

Sophomore Year - Fall 17 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MUN 3713	Jazz Ensemble	1 hr
MVK 2121	Class Piano III	1 hr
MUT 3170	Jazz Theory I	3 hrs
MUS 1010	Music Forum	0 hrs
MUS 2360C	Introduction to Music Technology	3 hrs
MXV 242X	Performance II	2 hrs

Sophomore Year - Spring 14 hrs

MUT 2127	Music Theory and Musicianship IV	4 hrs
MUN 3713	Jazz Ensemble	1 hr
MVK 2122	Class Piano IV	1 hr
MUT 3171	Jazz Theory II	3 hrs
MUS 1010	Music Forum	0 hrs
Cultural & Historical Foundation		3 hrs
MXV 242X	Performance II	2 hrs
Professional Sequence Entrance Review		

Junior Year - Fall 16 hrs

MUT 3923	Jazz Workshop	3 hrs
MUS 1010	Music Forum	0 hrs
MGF 1106	Finite Mathematics	3 hrs
Cultural & Historical Foundation		3 hrs
MXV 343X	Performance III	3 hrs
MUX 3/4XXX	Restricted Elective	3 hrs
MUX 3XXX	Restricted Elective	1 hr

Junior Year - Spring 13 hrs

STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
MUH 3211	Music History and Literature I	3 hrs
MUT 3923	Jazz Workshop	3 hrs
MUS 1010	Music Forum	0 hrs
MUS 3953	Recital Performance I	0 hrs
MXV 343X	Performance III	3 hrs
MUX 3XXX	Restricted Elective	1 hr

Senior Year - Fall 16 hrs

MUS 1010	Music Forum	0 hrs
MUT 3923	Jazz Workshop	3 hrs
MUH 4814	Jazz Styles and Analysis	3 hrs
Social Foundation		3 hrs
MXV 444X	Performance IV	4 hrs
Science Foundation		3 hrs



Senior Year - Spring	13 hrs
MUS 1010 Music Forum	0 hrs
MUT 3923 Jazz Workshop	3 hrs
MUS 4320 Music Business and Industry	3 hrs
MUS 4954 Recital Performance II	0 hrs
Social Foundation	3 hrs
MXV 444X Performance IV	4 hrs
Social Foundation	3 hrs

■ Program B: Jazz Piano, Guitar, Bass, Drum Set

Freshman Year - Fall	15 hrs
ENC 1101 Composition I	3 hrs
MUT 1121 Music Theory and Musicianship I	4 hrs
MUN 3713 Jazz Ensemble	1 hr
MVK 1111 Class Piano I	1 hr
MUS 1010 Music Forum	0 hrs
MUL 2014 Introduction to Music History and Literature	3 hrs
MXV 1XXX Performance I	2 hrs
MXV 121X Secondary Performance	1 hr

Freshman Year - Spring	17 hrs
ENC 1102 Composition II	3 hrs
MUT 1122 Music Theory and Musicianship II	4 hrs
MUN 3713 Jazz Ensemble	1 hr
MVK 1112 Class Piano II	1 hr
MUS 1010 Music Forum	0 hrs
MUS 2360C Introduction to Music Technology	3 hrs
MUL 2016 Evolution of Jazz	3 hrs
MXV 1XXX Performance I	2 hrs

Sophomore Year - Fall	17 hrs
SPC 1608 Fundamentals of Oral Communication	3 hrs
MUT 2126 Music Theory and Musicianship III	4 hrs
MUN 3713 Jazz Ensemble	1 hr
MVK 2121 Class Piano III	1 hr
MUT 3170 Jazz Theory I	3 hrs
MUS 1010 Music Forum	0 hrs
MGF 1106 Finite Mathematics	3 hrs
MXV 2XXX Performance II	2 hrs

Sophomore Year - Spring	14 hrs
MUT 2127 Music Theory and Musicianship IV	4 hrs
MUN 3713 Jazz Ensemble	1 hr
MVK 2122 Class Piano IV	1 hr
MUT 3171 Jazz Theory II	3 hrs
MUS 1010 Music Forum	0 hrs
Professional Sequence Entrance Review	
MXV 2XXX Performance II	2 hrs
Cultural & Historical Foundation	3 hrs

Junior Year - Fall	13 hrs
MUT 3923 Jazz Workshop	3 hrs
MUS 1010 Music Forum	0 hrs
Cultural & Historical Foundation	3 hrs
MXV 3XXX Performance III	3 hrs
MUX 3/4XXX Restricted Electives	3 hrs
MXV 121X Secondary Performance	1 hr

Junior Year - Spring	15 hrs
STA 1063C Basic Statistics Using Microsoft Excel	3 hrs
MUH 3211 Music History and Literature I	3 hrs
MUT 3923 Jazz Workshop	3 hrs
MUS 1010 Music Forum	0 hrs
MUS 3953 Recital Performance I	0 hrs
MXV 3XXX Performance III	3 hrs
Science Foundation	3 hrs

Senior Year - Fall	16 hrs
MUS 1010 Music Forum	0 hrs
MUT 3923 Jazz Workshop	3 hrs
MUH 4814 Jazz Styles and Analysis	3 hrs
Social Foundation	3 hrs
MXV 4XXX Performance IV	4 hrs
Science Foundation	3 hrs

Senior Year - Spring	13 hrs
MUS 1010 Music Forum	0 hrs
MUT 3923 Jazz Workshop	3 hrs
MUS 4320 Music Business and Industry	3 hrs
MUS 4954 Recital Performance II	0 hrs
MXV 4XXX Performance IV	4 hrs
GEP D.2 Social Foundation	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Music - Music Composition Track (B.M.)

College of Arts and Humanities

Department of Music,

Performing Art Center - Music, Room: M203

<http://music.cah.ucf.edu/>

Email: musicaud@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission

■ Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to <http://www.music.ucf.edu/admissionsauditions.php> to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

■ The audition will serve as a placement examination for accepted candidates

Professional Sequence Entrance Review

■ Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:

- Approval of composition portfolio
- Completion of Composition I and II
- Completion of Performance I and II
- Completion of MUS 2360C
- Completion of MUT 2127, Music Theory and Musicianship IV
- Completion of Class Piano IV
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Composition level III.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Composition students must present one faculty-approved public recital.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.

1. UCF General Education Program (GEP) (36 hrs)

■ (see General Education program for detailed information)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

UCF Degree Programs

B: Cultural & Historical Foundations (9 hrs)
 Required MUH 3212 Music History and Literature II 3 hrs
 Select one course from 1.B.1 list 3 hrs
 Select one course from 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
Math 3 hrs
 Suggested MGF 1106 Finite Mathematics or 3 hrs
 Suggested MGF 1107 Explorations in Mathematics 3 hrs
 or

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs
 Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

MUT 1121	Music Theory and Musicianship I	4 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MUT 2127	Music Theory and Musicianship IV	4 hrs
MVK 1111	Class Piano I	1 hr
MVK 1112	Class Piano II	1 hr
MVK 2121	Class Piano III	1 hr
MVK 2122	Class Piano IV	1 hr
MUN XXXX	Major Ensemble (four semesters) Piano	4 hrs
students take MUN 3453; guitar students take MUN 3483		
MXV 141X	Performance I (two semesters)	4 hrs
MXV 242X	Performance II (two semesters)	4 hrs

3. Core Requirements: Basic Level (20 hrs)

MUL 2014	Introduction to Music History and Literature	3 hrs
MUS 2360C	Introduction to Music Technology	3 hrs
MUC 1101C	Composition I	2 hrs
MUC 2104C	Composition II	2 hrs
MUS 1010	Music Forum	0 hrs
MUG 3104	Basic Conducting	2 hrs
MUH 3211	Music History and Literature I	3 hrs
MUH 3212	Music History and Literature II	GEP
MUT 4571	Analysis of Twentieth-Century Music	3 hrs
MUN XXXX	Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483)	2 hrs

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:

¹ MUC 3105C	Composition III	3 hrs
² MUC 4106C	Composition IV	4 hrs
MUT 4401	Counterpoint	3 hrs
MUT 4311	Orchestration	3 hrs
MUC 4950	Composition Recital	0 hrs

One course selected from MUC/MUH/MUS/MUT, 3000 level or above

¹ Two semesters for total 6 hrs

² Two semesters for total 8 hrs

5. Restricted Electives (9 hrs)

■ Any secondary performance course not in area of major instrument, or

■ Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

Special Non-Course Requirements: Major

Ensemble Participation

■ Selected from University Chorus, Women's Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.

■ Ensemble assignment is by the Ensemble Directors.

■ Students must take Major Ensemble during each semester at UCF.

■ Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Special Non-Course Requirements: Minor

Ensemble Participation

■ If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.

■ If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.

■ Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women's Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Earn a grade of "C" (2.0) or better in each Music course.

■ Computer Competency met by the following or departmental examination:

MUS 2360C	Introduction to Music Technology	3 hrs

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ Music Education

■ Music

■ Theatre

Certificates

■ None

Related Minors

■ Music

■ Digital Media

■ Theatre

Advising Notes

■ None

Transfer Notes

■ Lower division courses do not substitute for upper division courses.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

Freshman Year - Fall

ENC 1101	Composition I	3 hrs

MUT 1121	Music Theory and Musicianship I	4 hrs

MVK 1111	Class Piano I	1 hr

(120 hrs)

14 hrs

3 hrs

4 hrs

1 hr



MUL 2014	Introduction to Music History and Literature	3 hrs
MUS 1010	Music Forum	0 hrs
MUN XXXX	Major Ensemble	1 hr
MXV 141X	Performance I	2 hrs

Freshman Year - Spring 16 hrs

ENC 1102	Composition II	3 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MVK 1112	Class Piano II	1 hr
MUS 2360C	Introduction to Music Technology	3 hrs
MUS 1010	Music Forum	0 hrs
MXV 141X	Performance I	1 hr
MUN XXXX	Major Ensemble	1 hr
Science Foundation		3 hrs

Sophomore Year - Fall 15 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MVK 2121	Class Piano III	1 hr
MUC 1101C	Composition I	2 hrs
MUG 3104	Basic Conducting	2 hrs
MUS 1010	Music Forum	0 hrs
MUN XXXX	Major Ensemble	1 hr
MXV 242X	Performance II	2 hrs

Sophomore Year - Spring 16 hrs

MUT 2127	Music Theory and Musicianship IV	4 hrs
MVK 2122	Class Piano IV	1 hr
MUC 2104C	Composition II	2 hrs
¹ MGF 1106	Finite Mathematics	3 hrs
MUS 1010	Music Forum	0 hrs
Cultural/Historical Foundation		3 hrs
MUN XXXX	Major Ensemble	1 hr
MXV 242X	Performance II	2 hrs

¹ (GEP C.1.)

Junior Year - Fall 16 hrs

MUH 3211	Music History and Literature I	3 hrs
MUT 4571	Analysis of Twentieth-Century Music	3 hrs
MUC 3105C	Composition III	3 hrs
MUS 1010	Music Forum	0 hrs
MUX 3/4XXX	Restricted Electives	3 hrs
Cultural/Historical Foundation		3 hrs
MUN XXXX	Major Ensemble	1 hr

Junior Year - Spring 16 hrs

¹ STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
² MUH 3212	Music History and Literature II	3 hrs
MUT 4311	Orchestration	3 hrs
MUC 3105C	Composition III	3 hrs
MUS 1010	Music Forum	0 hrs
MUN XXXX	Major Ensemble	1 hr
MUX 3/4XXX	Restricted Elective	3 hrs

¹ (GEP C.2.)

² GEP

Senior Year - Fall 13 hrs

MUC 4106C	Composition IV	4 hrs
MUS 1010	Music Forum	0 hrs
Social Foundation		3 hrs
Science Foundation		3 hrs
MUX 3/4XXX	Restricted Electives	3 hrs

Senior Year - Spring 13 hrs

MUC 4106C	Composition IV	4 hrs
MUT 4401	Counterpoint	3 hrs
MUS 1010	Music Forum	0 hrs
MUC 4950	Composition Recital	0 hrs
Social Foundation		3 hrs
MUX 3/4XXX	Restricted Electives	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Music - Music Performance Track (B.M.)

College of Arts and Humanities

Department of Music,

Performing Art Center - Music, Room: M203

<http://music.cah.ucf.edu/>

Email: musicaud@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission

■ Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to <http://music.cah.ucf.edu/admissions.php> to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

■ The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review

■ During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:

- An evaluation of performance skills
- Completion of Performance I and II
- Completion of Class Piano IV
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Performance level III.
- Completion of the following courses:

MUS 2360C	Introduction to Music Technology	3 hrs
MUT 2127	Music Theory and Musicianship IV	4 hrs

Degree Requirements

■ Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to <http://music.ucf.edu/students> to see the class piano requirements.

■ Students who change degree programs and select this major must adopt the most current catalog.

■ At least 65 hours of credit must be earned in music courses.

■ Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music Department.

■ Performance students must present two faculty-approved public recitals.

■ Students should consult with a departmental advisor for course selection.

■ Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

■ Students must complete a faculty-approved Senior BM web portfolio.

1. UCF General Education Program (GEP) (36 hrs)

■ (See General Education program for detailed information)

A: Communication Foundations (9 hrs)

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

Take all of the following: 6 hrs

Required	ENC 1101	Composition I and	3 hrs
Required	ENC 1102	Composition II	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Required	MUH 3212	Music History and Literature II	3 hrs
Select one course from 1.B.1 list			3 hrs
Select one course from 1.B.2 list			3 hrs

C: Mathematical Foundations (6 hrs)

Math 3 hrs

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

or

You may substitute a higher level math with appropriate scores on the Math Placement Exam.



UCF Degree Programs

Statistics - Computers	3 hrs	Percussion	22 hrs
Select a course from GEP C.2 list	3 hrs	MUL 3463 Percussion Literature and	2 hrs
		MVP 3630 Percussion Pedagogy and	2 hrs
D: Social Foundations	(6 hrs)	MUN XXXX Major Ensembles and	2 hrs
E: Science Foundations	(6 hrs)	MUN XXXX Minor Ensembles and	4 hrs
2. Common Program Prerequisites (CPP)	(32 hrs)	Restricted Electives and	7 hrs
■ See "Common Prerequisites" in the Transfer and		Electives	5 hrs
Transitions Services section for more information.		Strings	22 hrs
MUT 1121 Music Theory and Musicianship I	4 hrs	MUL 4437 String Literature and Pedagogy and	3 hrs
MUT 1122 Music Theory and Musicianship II	4 hrs	MUN XXXX Major Ensembles and	2 hrs
MUT 2126 Music Theory and Musicianship III	4 hrs	MUN XXXX Minor Ensembles and	4 hrs
MUT 2127 Music Theory and Musicianship IV	4 hrs	Restricted Electives and	8 hrs
MVK 1111 Class Piano I	1 hr	Electives	5 hrs
MVK 1112 Class Piano II	1 hr		
MVK 2121 Class Piano III	1 hr		
MVK 2122 Class Piano IV	1 hr		
MUN XXXX Major Ensemble (four semesters) Piano	4 hrs		
students take MUN 3453; guitar students take MUN 3484			
MXV 141X Performance I (2 semesters)	4 hrs		
MXV 242X Performance II (2 semesters)	4 hrs		
3. Core Requirements: Basic Level	(6 hrs)		
MUL 2014 Introduction to Music History and Literature	3 hrs	5. Restricted Electives	
MUS 2360C Introduction to Music Technology	3 hrs	■ 0-15 hrs	
MUS 1010 Music Forum	0 hrs	■ Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO,	
		MUS, MUT, MVX courses numbered 3000 or higher.	
4. Core Requirements: Advanced Level	(24 hrs)	6. Capstone Requirements	
MUS 3953 Recital Performance I	0 hrs	■ None	
MUS 4954 Recital Performance II	0 hrs	7. Foreign Language Requirements	
MUG 3104 Basic Conducting	2 hrs	Admissions	
MUH 3211 Music History and Literature I	3 hrs	■ Two years of foreign language in high school or one	
MUH 3212 Music History and Literature II	GEP	year of foreign language in college (or equivalent proficiency	
MXV 343X Performance III (2 Semesters)	6 hrs	exam) prior to graduation.	
MXV 444X Performance IV (2 Semesters)	8 hrs	Graduation	
MUN XXXX Major Ensembles (Piano students take MUN	2 hrs	■ None	
3453; guitar students take MUN 3484)		8. Electives	
Choose one MUT 3XXX or MUT 4XXX course	3 hrs	■ Select primarily from upper level courses. May be	
		outside of the department.	
Specialty Requirements (Choose One:)	22 hrs	9. Additional Requirements	
Piano	22 hrs	■ Special Non-Course Requirements:	
MUL 3400 Piano Literature I and	2 hrs	Major Ensemble Participation	
MUL 3401 Piano Literature II and	2 hrs	■ Selected from University Chorus, Women's Chorus,	
MVK 4640 Piano Pedagogy I and	2 hrs	Symphony Orchestra, Concert Band, Wind Ensemble, and	
MUN 3453 Piano Ensemble and	1 hr	Marching Band. Four hours of Jazz Ensemble may be used	
MUN 3453 Piano Ensemble and	1 hr	as Major Ensemble credit.	
Restricted Electives and	9 hrs	■ Ensemble assignment is by the Ensemble directors.	
Electives	5 hrs	■ Students must take Major Ensemble during each	
		semester at UCF.	
Guitar	22 hrs	■ Students taking a course in Performance must	
MUL 4437 String Literature and Pedagogy and	3 hrs	concurrently take a major ensemble appropriate to their	
MUN 3487 Guitar Ensemble and	1 hr	principal instrument or voice.	
MUN 3487 Guitar Ensemble and	1 hr	Minor Ensemble Participation	
Restricted Electives and	12 hrs	■ If Minor Ensemble is taken at UCF, the semester	
Electives	5 hrs	hours of credit must be spread over at least two separate	
		semesters.	
Voice	22 hrs	■ If Minor Ensemble credits are transferred to UCF, each	
MUS 1250 IPA for Singers and	1 hr	remaining credit must be taken in a separate semester.	
MUS 3255 German and English Lyric Diction and	2 hrs	■ Minor Ensembles include: Brass, Percussion, Piano,	
MUS 3254 Italian and French Lyric Diction and	2 hrs	Madrigal Singers, Women's Chorus, Opera Workshop,	
MVV 4640 Voice Pedagogy and	2 hrs	Woodwind, Jazz Ensemble, Jazz Combo, and Early Music	
MUL 3602 Song Literature and	3 hrs	Ensemble.	
MUN XXXX Major Ensembles and	2 hrs	10. Required Minors	
MUN XXXX Minor Ensembles and	2 hrs	■ None	
Foreign Language (French, German, or Italian)	8 hrs	11. Departmental Exit Requirements	
		■ Earn a grade of "C" (2.0) or better in each Music course.	
Woodwinds	22 hrs	■ Computer Competency met by the following course, or	
MUL 4444 Woodwind Literature and Pedagogy and	3 hrs	departmental examination:	
MUN XXXX Major Ensembles and	2 hrs	MUS 2360C Introduction to Music Technology	3 hrs
MUN XXXX Minor Ensembles and	4 hrs		
Restricted Electives and	8 hrs		
Electives	5 hrs		
Brass	22 hrs		
MUL 4443 Brass Literature and Pedagogy and	3 hrs		
MUN XXXX Major Ensembles and	2 hrs		
MUN XXXX Minor Ensembles and	4 hrs		
Restricted Electives and	8 hrs		
Electives	5 hrs		



Honors In Major

- None

Related Programs

- Music Education
- Music
- Theatre - Musical Theatre Track

Certificates

- None

Related Minors

- Music
- Theatre
- Digital Media

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Program A: Strings, Woodwinds, Brass

Freshman Year - Fall 14 hrs

ENC 1101	Composition I	3 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs
MVK 1111	Class Piano I	1 hr
MUS 1010	Music Forum	0 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs
MUN XXXX	Major Ensemble	1 hr
MXV 141X	Performance I	2 hrs

Freshman Year - Spring 17 hrs

ENC 1102	Composition II	3 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MVK 1112	Class Piano II	1 hr
MUS 1010	Music Forum	0 hrs
MUS 2360C	Introduction to Music Technology	3 hrs
MUN XXXX	Major Ensemble	1 hr
MXV 141X	Performance I	2 hrs
Science Foundation		3 hrs

Sophomore Year - Fall 17 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MVK 2121	Class Piano III	1 hr
MUS 1010	Music Forum	0 hrs
MUG 3104	Basic Conducting	2 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
MUN XXXX	Major Ensemble	1 hr
MUN XXXX	Minor Ensemble	1 hr
MXV 242X	Performance II	2 hrs

Sophomore Year - Spring 15 hrs

MUT 2127	Music Theory and Musicianship IV	4 hrs
MVK 2122	Class Piano IV	1 hr
MUS 1010	Music Forum	0 hrs
MGF 1106	Finite Mathematics	3 hrs
Cultural & Historical Foundation		3 hrs
MUN XXXX	Major Ensemble	1 hr
MUN XXXX	Minor Ensemble	1 hr
MXV 242X	Performance II	2 hrs
Professional Sequence Entrance Interview		

Junior Year - Fall 17 hrs

MUH 3211	Music History and Literature I	3 hrs
MUS 1010	Music Forum	0 hrs
Cultural & Historical Foundation		3 hrs
MXV 343X	Performance III	3 hrs
MUX 3/4XXX	Restricted Electives	3 hrs
MUN XXXX	Major Ensemble	1 hr
MUN XXXX	Minor Ensemble	1 hr

Junior Year - Spring 14 hrs

MUH 3212	Music History and Literature II	3 hrs
MUS 1010	Music Forum	0 hrs
MUS 3953	Recital Performance I	0 hrs
MUX 3/4XXX	Restricted Electives	3 hrs
MUL 44XX	Literature and Pedagogy	3 hrs
MXV 343X	Performance III	3 hrs
MUN XXXX	Minor Ensemble	1 hr
MUN XXXX	Major Ensemble	1 hr
Professional Sequence Entrance Review		

Senior Year - Fall 14 hrs

MUS 1010	Music Forum	0 hrs
Free Elective		2 hrs
Social Foundation		3 hrs
MXV 444X	Performance IV	4 hrs
Science Foundation		3 hrs
MUN XXXX	Major Ensemble	1 hr
MUN 3XXX	Restricted Elective	1 hr

Senior Year - Spring 12 hrs

MUS 1010	Music Forum	0 hrs
MUS 4954	Recital Performance II	0 hrs
Free Elective		2 hrs
Social Foundation		3 hrs
MXV 444X	Performance IV	4 hrs
MUN XXXX	Major Ensemble	1 hr
MUN 3XXX	Restricted Elective	1 hr

Program B: Percussion

Freshman Year - Fall 14 hrs

ENC 1101	Composition I	3 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs
MVK 1111	Class Piano I	1 hr
MUS 1010	Music Forum	0 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs
MVP 1411	Percussion I	2 hrs
MUN XXXX	Major Ensemble	1 hr

Freshman Year - Spring 17 hrs

ENC 1102	Composition II	3 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MVK 1112	Class Piano II	1 hr
MUS 1010	Music Forum	0 hrs
MUS 2360C	Introduction to Music Technology	3 hrs
MVP 1411	Percussion I	2 hrs
MUN XXXX	Major Ensemble	1 hr
Science Foundation		3 hrs

Sophomore Year - Fall 17 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MUN 3443	Percussion Ensemble	1 hr
MVP 2421	Percussion II	2 hrs
MUS 1010	Music Forum	0 hrs
MUG 3104	Basic Conducting	2 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
MVK 2121	Class Piano III	1 hr
MUN XXXX	Major Ensemble	1 hr

Sophomore Year - Spring 15 hrs

MUT 2127	Music Theory and Musicianship IV	4 hrs
MUN 3443	Percussion Ensemble	1 hr
MVP 2421	Percussion II	2 hrs
MVK 2122	Class Piano IV	1 hr
MUS 1010	Music Forum	0 hrs
MGF 1106	Finite Mathematics	3 hrs
Cultural & Historical Foundation		3 hrs
MUN XXXX	Major Ensemble	1 hr
Professional Sequence Entrance Review		

Junior Year - Fall 17 hrs

MUH 3211	Music History and Literature I	3 hrs
MVP 3431	Percussion III	2 hrs
MUS 1010	Music Forum	0 hrs
MUN 3443	Percussion Ensemble	1 hr
MUT 4571	Analysis of Twentieth-Century Music	3 hrs
Cultural & Historical Foundation		3 hrs
MUX 3/4XXX	Restricted Elective	3 hrs
MUN XXXX	Major Ensemble	1 hr

UCF Degree Programs

Junior Year - Spring		13 hrs
MUH 3212	Music History and Literature II	3 hrs
MUL 3463	Percussion Literature	2 hrs
MVP 3431	Percussion III	2 hrs
MUS 1010	Music Forum	0 hrs
MUN 3443	Percussion Ensemble	1 hr
MUS 3953	Recital Performance I	0 hrs
MUX 3/4XXX	Restricted Electives	3 hrs
MUN XXXX	Major Ensemble	1 hr

Senior Year - Fall		15 hrs
MVP 4441	Percussion IV	4 hrs
MUS 1010	Music Forum	0 hrs
MVP 3630	Percussion Pedagogy	2 hrs
Social Foundation		3 hrs
Science Foundation		3 hrs
MUN XXXX	Major Ensemble	1 hr
Free Elective		2 hrs

Senior Year - Spring		12 hrs
MVP 4441	Percussion IV	4 hrs
MUS 1010	Music Forum	0 hrs
MUS 4954	Recital Performance II	0 hrs
Social Foundation		3 hrs
MUN XXXX	Major Ensemble	1 hr
MUN 3XXX	Restricted Elective	1 hr
Free Elective		3 hrs

Program C: Piano

Freshman Year - Fall		14 hrs
ENC 1101	Composition I	3 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs
MUN 3453	Piano Ensemble	1 hr
MVK 1111	Class Piano I	1 hr
MUS 1010	Music Forum	0 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs
MVK 1411	Piano I	2 hrs

Freshman Year - Spring		17 hrs
ENC 1102	Composition II	3 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MUN 3453	Piano Ensemble	1 hr
MVK 1112	Class Piano II	1 hr
MUS 1010	Music Forum	0 hrs
MUS 2360C	Introduction to Music Technology	3 hrs
MVK 1411	Piano I	2 hrs
Science Foundation		3 hrs

Sophomore Year - Fall		16 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MUN 3453	Piano Ensemble	1 hr
MVK 2121	Class Piano III	1 hr
MUS 1010	Music Forum	0 hrs
MUG 3104	Basic Conducting	2 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
MVK 2421	Piano II	2 hrs

Sophomore Year - Spring		14 hrs
MUT 2127	Music Theory and Musicianship IV	4 hrs
MUN 3453	Piano Ensemble	1 hr
MVK 2122	Class Piano IV	1 hr
MUS 1010	Music Forum	0 hrs
MGF 1106	Finite Mathematics	3 hrs
Cultural & Historical Foundation		3 hrs
Professional Sequence Entrance Review		

Junior Year - Fall		15 hrs
MUH 3211	Music History and Literature I	3 hrs
MUL 3400	Piano Literature I	2 hrs
MUS 1010	Music Forum	0 hrs
MUN 3453	Piano Ensemble	1 hr
MUT 4571	Analysis of Twentieth-Century Music	3 hrs
MVK 3431	Piano III	2 hrs
Cultural & Historical Foundation		3 hrs

Junior Year - Spring		15 hrs
MUH 3212	Music History and Literature II	3 hrs
MUL 3401	Piano Literature II	2 hrs
MUS 1010	Music Forum	0 hrs
MUN 3453	Piano Ensemble	1 hr
MUS 3953	Recital Performance I	0 hrs
MVK 3431	Piano III	2 hrs
MUX 3/4XXX	Restricted Electives	6 hrs

Senior Year - Fall		15 hrs
MUS 1010	Music Forum	0 hrs
MUN 3453	Piano Ensemble	1 hr
MVK 4640	Piano Pedagogy I	2 hrs
MVK 4441	Piano IV	4 hrs
Social Foundation		3 hrs
Science Foundation		3 hrs
Free Elective		2 hrs

Senior Year - Spring		14 hrs
MUS 1010	Music Forum	0 hrs
MUS 4954	Recital Performance II	0 hrs
MUN 3453	Piano Ensemble	1 hr
MVK 4441	Piano IV	4 hrs
Social Foundation		3 hrs
MUX 3/4XXX	Restricted Electives	3 hrs
Free Elective		3 hrs

Program D: Guitar

Freshman Year - Fall		14 hrs
ENC 1101	Composition I	3 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs
MUN 3487	Guitar Ensemble	1 hr
MVS 1416	Guitar I	2 hrs
MVK 1111	Class Piano I	1 hr
MUS 1010	Music Forum	0 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs

Freshman Year - Spring		17 hrs
ENC 1102	Composition II	3 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MUN 3487	Guitar Ensemble	1 hr
MVS 1416	Guitar I	2 hrs
MVK 1112	Class Piano II	1 hr
MUS 1010	Music Forum	0 hrs
MUS 2360C	Introduction to Music Technology	3 hrs
Science Foundation		3 hrs

Sophomore Year - Fall		16 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MUN 3487	Guitar Ensemble	1 hr
MVS 2426	Guitar II	2 hrs
MVK 2121	Class Piano III	1 hr
MUS 1010	Music Forum	0 hrs
MUG 3104	Basic Conducting	2 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs

Sophomore Year - Spring		14 hrs
MUT 2127	Music Theory and Musicianship IV	4 hrs
MUN 3487	Guitar Ensemble	1 hr
MVS 2426	Guitar II	2 hrs
MVK 2122	Class Piano IV	1 hr
MUS 1010	Music Forum	0 hrs
MGF 1106	Finite Mathematics	3 hrs
Cultural & Historical Foundation		3 hrs
Professional Sequence Entrance Review		

Junior Year - Fall		16 hrs
MUH 3211	Music History and Literature I	3 hrs
MVS 3436	Guitar III	2 hrs
MUS 1010	Music Forum	0 hrs
MUN 3487	Guitar Ensemble	1 hr
MUT 4571	Analysis of Twentieth-Century Music	3 hrs
MVS 4346	Guitar IV	4 hrs
Cultural & Historical Foundation		3 hrs
MUX 3/4XXX	Restricted Electives	3 hrs

Junior Year - Spring		13 hrs
MUH 3212	Music History and Literature II	3 hrs
MUL 4437	String Literature and Pedagogy	3 hrs
MVS 3436	Guitar III	2 hrs
MUN 3487	Guitar Ensemble	1 hr
MUS 1010	Music Forum	0 hrs
MUS 3953	Recital Performance I	0 hrs
MVS 4346	Guitar IV	4 hrs
MUX 3/4XXX	Restricted Electives	3 hrs



Senior Year - Fall		16 hrs
MUS 1010	Music Forum	0 hrs
MUN 3487	Guitar Ensemble	1 hr
Social Foundation		3 hrs
Science Foundation		3 hrs
MUX 3/4XXX Restricted Elective		3 hrs
Free Elective		2 hrs

Senior Year - Spring		14 hrs
MUS 1010	Music Forum	0 hrs
MUS 4954	Recital Performance II	0 hrs
MUN 3487	Guitar Ensemble	1 hr
Social Foundation		3 hrs
MUX 3/4XXX Restricted Electives		3 hrs
Free Elective		3 hrs

Program E: Voice

Freshman Year - Fall		15 hrs
ENC 1101	Composition I	3 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs
MUS 1250	IPA for Singers	1 hr
MVK 1111	Class Piano I	1 hr
MUS 1010	Music Forum	0 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs
MVV 1411	Voice I	2 hrs
MUN XXXX Major Ensemble		1 hr

Freshman Year - Spring		16 hrs
ENC 1102	Composition II	3 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MUS 3255	German and English Lyric Diction	2 hrs
MVK 1112	Class Piano II	1 hr
MUS 1010	Music Forum	0 hrs
MUS 2360C	Introduction to Music Technology	3 hrs
MVV 1411	Voice I	2 hrs
MUN XXXX Major Ensemble		1 hr

Sophomore Year - Fall		15 hrs
MGF 1106	Finite Mathematics	3 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MUS 3254	Italian and French Lyric Diction	2 hrs
MVK 2121	Class Piano III	1 hr
MUS 1010	Music Forum	0 hrs
MUG 3104	Basic Conducting	2 hrs
MVV 2421	Voice II	2 hrs
MUN XXXX Major Ensemble		1 hr

Sophomore Year - Spring		17 hrs
MUT 2127	Music Theory and Musicianship IV	4 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
MVK 2122	Class Piano IV	1 hr
MUS 1010	Music Forum	0 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
MVV 2421	Voice II	2 hrs
Cultural & Historical Foundation		3 hrs
MUN XXXX Major Ensemble		1 hr
Professional Sequence Entrance Review		

Junior Year - Fall		15 hrs
MUH 3211	Music History and Literature I	3 hrs
MUS 1010	Music Forum	0 hrs
MUT 4571	Analysis of Twentieth-Century Music	3 hrs
MVV 3431	Voice III	2 hrs
XXX 1120 Foreign Language		4 hrs
MUN XXXX Major Ensemble		1 hr
MUN XXXX Minor Ensemble		1 hr

Junior Year - Spring		15 hrs
MUH 3212	Music History and Literature II	3 hrs
MUS 1010	Music Forum	0 hrs
MUS 3953	Recital Performance I	0 hrs
MVV 3431	Voice III	2 hrs
Cultural & Historical Foundation		3 hrs
XXX 2121 Foreign Language		4 hrs
MUN XXXX Major Ensemble		1 hr
MUN XXXX Minor Ensemble		1 hr

Senior Year - Fall		13 hrs
MVV 4640	Voice Pedagogy	2 hrs
MUS 1010	Music Forum	0 hrs
MVV 4441	Voice IV	4 hrs
Social Foundation		3 hrs
Science Foundation		3 hrs
MUN XXXX Major Ensemble		1 hr

Senior Year - Spring		14 hrs
MUL 3602	Song Literature	3 hrs
MUS 1010	Music Forum	0 hrs
MUS 4954	Recital Performance II	0 hrs
MVV 4441	Voice IV	4 hrs
Social Foundation		3 hrs
Science Foundation		3 hrs
MUN XXXX Major Ensemble		1 hr

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Music Education (B.M.E.)

College of Arts and Humanities

Department of Music,

Performing Arts Center - Music, Room: M203

<http://music.cah.ucf.edu/>

Email: musicaud@ucf.edu

Dr. Kelly Miller, kelly.miller@ucf.edu, 407-823-4545

Admission Requirements

Admission Requirements - Music Education

- Audition. To be accepted in to Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- Memorization is required for pianists and vocalists.
- Accompanists are provided for vocalists only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string, bass, or timpani for these auditions.
- The audition will serve as a placement exam for accepted candidates.
- Refer to the UCF Music Department website for specific audition requirements.
- Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.
- Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

Admission Requirements - Professional Program

- Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:
- Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, first semester of Performance II.
- Have a minimum overall GPA of 2.5 and a grade of "C" (2.0) or better in each performance, education, and music education course.
- Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.
- Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).



UCF Degree Programs

To be accepted into the Music Education

Professional Program students must:

- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).
- Complete MVK 2122, MUT 2127, and two semesters of Performance II.

Notes:

- (1) Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.
- (2) Students who change degree programs and select this major must adopt the most current catalog.
- (3) Common program prerequisites are subject to revision based on changes Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.5.066, Approval of Pre-service Teacher Preparation Programs.

Degree Requirements

- None

1. UCF General Education Program (GEP) (36 hrs)

- (See General Education Program for detailed information)

A: Communication Foundations (9 hrs)

Prefer SPC 1608 Fundamentals of Oral Communication

Take all of the following: 6 hrs

Required ENC 1101 Composition I and 3 hrs
Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Required MUH 3212 Music History and Literature II 3 hrs
Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

C: Mathematical Foundations (6 hrs)

Math 3 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs
or

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

Prefer POS 2041 American National Government 3 hrs
Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)

Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (38 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
1 MUS 1010 Music Forum 0 hrs
MUN XXXX Major Ensembles (4 semesters) 4 hrs
MVX 141X Performance I (2 semesters) 4 hrs
MVX 242X Performance II (2 semesters) 4 hrs

1 4 semesters

3. Core Requirements: Basic Level (5 hrs)

1 MUS 1010 Music Forum CPP
MUT 1121 Music Theory and Musicianship I CPP
MUT 1122 Music Theory and Musicianship II CPP
MUT 2126 Music Theory and Musicianship III CPP
MUT 2127 Music Theory and Musicianship IV CPP
MVK 2122 Class Piano IV CPP

MUN XXXX Major Ensembles (4 semesters) CPP
MVX 141X Performance I (2 semesters) CPP
MVX 242X Performance II (2 semesters) CPP

1 4 semesters

Music Education Prerequisites- Basic 5 hrs

MUL 2014 Introduction to Music History and Literature 3 hrs
MUN XXXX Major Ensembles (2 semesters) 2 hrs

4. Core Requirements: Advanced Level (29 hrs)

MUG 3104 Basic Conducting 2 hrs
MUH 3211 Music History and Literature I 3 hrs
MUH 3212 Music History and Literature II GEP
MUE 3942 Music Internship I 3 hrs

Music Education Prerequisites- Advanced 17 hrs

MUG 3104 Basic Conducting and 2 hrs
MUH 3211 Music History and Literature I and 3 hrs
MUH 3212 Music History and Literature II and GEP
MUE 3942 Music Internship I and 3 hrs
MUE 4311 Elementary School Music Methods and 2 hrs
MUE 3333 Music Learning Theory and Assessment and 3 hrs
MVX 343X Performance III (2 Semesters) 4 hrs

Education Core 12 hrs

EDG 4410 Teaching Strategies and Classroom Management and 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools and 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools and 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

5. Restricted Electives (26 hrs)

- Music Education Specialty Area Courses and Professional Program Courses

- Complete one program

Program A - Instrumental

MUE 2346 Vocal Techniques 1 hr
MUG 3302 Instrumental Conducting and Materials 2 hrs
MUE 4332 Secondary Instrumental Methods I 3 hrs
MUE 4943 Music Internship II 12 hrs

Select 1: 3 hrs

MUE 4337 Secondary Instrumental Methods II or 3 hrs
MUE 4441 String Methods 3 hrs

Select 5: 5 hrs

MUE 2450 Woodwind Techniques I or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 3461 Brass Techniques II or 1 hr
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 2440 String Techniques 1 hr

Program B - Choral

MUS 1250 IPA for Singers 1 hr
MUG 3202 Choral Conducting and Materials 2 hrs
MVV 4640 Voice Pedagogy 2 hrs
MUE 4331 Secondary Choral Methods I 3 hrs
MUE 4335 Secondary Choral Methods II 3 hrs
MUE 4943 Music Internship II 12 hrs

Select 3: 3 hrs

MUE 2450 Woodwind Techniques I or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 3461 Brass Techniques II or 1 hr
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 2440 String Techniques 1 hr

Program C - Elementary School

MUE 2346 Vocal Techniques 1 hr
MUE 4393 Music and Students with Special Needs 2 hrs
MUE 3353 General Music Literature and Techniques 2 hrs
MUE 4331 Secondary Choral Methods I 3 hrs
MUE 4943 Music Internship II 12 hrs
MUG 3X02 Choral or Instrumental Conducting and Materials 2 hrs



Select 4:		4 hrs
MUE 2450	Woodwind Techniques I or	1 hr
MUE 3451	Woodwind Techniques II or	1 hr
MUE 2460	Brass Techniques or	1 hr
MUE 3461	Brass Techniques II or	1 hr
MUE 2470	Percussion Techniques or	1 hr
MUE 2471	Percussion Techniques II or	1 hr
MUE 2440	String Techniques	1 hr

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

Admission to Internship I will be granted to students who meet the following requirements:

- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a "C" or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), Seminar in Music Teaching (MUE 4394) and Internship II (ESE 4943).
- Possess minimum professional preparation GPA of 2.5.
- Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Admission to Internship II will be granted to students who meet the following requirements:

- Completion of all admission requirements for Internship I (see above).
- Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
- Completion of all music methods and techniques courses.
- Completion of all General Education and Common Program courses.
- Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student's last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements

- Note: Contact the Music Education Advisor for details.

- Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third semester of enrollment at UCF. (See <http://www.fl.nesinc.com/> for test information).

- Electronic Portfolio. Students will develop an electronic portfolio while enrolled in upper division education courses and internship. The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation

- Selected from University Chorus, Women's Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.
- Students enrolled in a Performance course must concurrently enroll in an appropriate major ensemble if accepted.

Recitals

- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization). Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

CMENC Membership

- Active participation in CMENC is expected. Students are expected to maintain a record of participation at CMENC events. In addition, students are expected to document attendance at any event that promotes development as a music educator (e.g., music or music education conferences, workshops).

Music Education Forums

- Attendance at all Music Education Forums (except during Internship I and II) is expected

Public School Partnerships

- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors

- None

11. Departmental Exit Requirements

- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of "C" (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following:
MUE 3693 Technology in Music Education 2 hrs

UCF Degree Programs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 134

Honors In Major

- None

Related Programs

- Music
- Theatre

Certificates

- Florida Teaching Certification: Music K-12

Related Minors

- Music
- Theatre

Advising Notes

- Consult with the music education advisor for course selection

Transfer Notes

- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- NOTE: Education majors are required to take six hours (in addition to EDF 2085) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Take General Knowledge Test after spring semester of Freshman Year.
- Apply for Professional Program after spring semester of Sophomore year.
- Take PET and Music Examination of FTCE after fall semester of Senior year.
- As indicated in the Plan of Study, all 3 remaining GEP classes will be taken during the summer semester of the Senior year.
- Program A - Instrumental Program K-12:

Freshman Year - Fall

	17 hrs
EDF 2005 Introduction to the Teaching Profession	3 hrs
MUT 1121 Music Theory and Musicianship I	4 hrs
MVK 1111 Class Piano I	1 hr
MUE 2346 Vocal Techniques	1 hr
MUS 1010 Music Forum	0 hrs
MXV 141X Performance I	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	
GEP	3 hrs
GEP	3 hrs

Freshman Year - Spring

	16 hrs
■ Take General Knowledge Test	
MUL 2014 Introduction to Music History and Literature	3 hrs
MVK 1112 Class Piano II	1 hr
MUT 1122 Music Theory and Musicianship II	4 hrs
MUS 1010 Music Forum	0 hrs
GEP	3 hrs
GEP	3 hrs
MXV 141X Intro to Music Literature	3 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Sophomore Year - Fall

	15 hrs
MUT 2126 Music Theory and Musicianship III	4 hrs
MVK 2121 Class Piano III	1 hr
MUH 3211 Music History and Literature I	3 hrs
MUS 1010 Music Forum	0 hrs
GEP	3 hrs
MUE XXXX Techniques	1 hr
MUE XXXX Techniques	1 hr
MXV 242X Performance II	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Sophomore Year - Spring

	16 hrs
■ Apply for Professional Program	
EDF 2085 Introduction to Diversity for Educators	3 hrs
MUT 2127 Music Theory and Musicianship IV	4 hrs
MVK 2122 Class Piano IV	1 hr
MUH 3212 Music History and Literature II	3 hrs
MUS 1010 Music Forum	0 hrs
MUE XXXX Techniques	1 hr
MUE XXXX Techniques	1 hr
MXV 242X Performance II	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Junior Year - Fall

	15 hrs
MUG 3104 Basic Conducting	2 hrs
MUE 4332 Secondary Instrumental Methods I	3 hrs
EDG 4410 Teaching Strategies and Classroom Management	3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
MUS 1010 Music Forum	0 hrs
MUE XXXX Techniques	1 hr
MXV 343X Performance III	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Junior Year - Spring

	17 hrs
MUG 3302 Instrumental Conducting and Materials	1 hr
RED 4043 Content Reading in Kindergarten through Grade 12	3 hrs
EME 2040 Introduction to Technology for Educators	3 hrs
MUS 1010 Music Forum	0 hrs
MUS 3953 Recital Performance I	0 hrs

Select 1:

	3 hrs
MUE 4335 Secondary Choral Methods II or	3 hrs
MUE 4441 String Methods	3 hrs
GEP	3 hrs
MXV 343X Performance III	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Senior Year - Fall

	14 hrs
■ Take PET and Music Examination of FTCE	
ESE 3940 Internship I - Secondary	3 hrs
MUE 3333 Music Learning Theory and Assessment	3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools	3 hrs
MUE 4311 Elementary School Music Methods	2 hrs
GEP	3 hrs
CMENC	
CMENC	

Senior Year - Spring

	15 hrs
ESE 4943 Internship II - Secondary	7 hrs
MUE 4394 Seminar in Music Teaching	1 hr
GEP	3 hrs



Senior Year - Summer	9 hrs
GEP	3 hrs
GEP	3 hrs
GEP	3 hrs

Program B - Choral Program K-12

Freshman Year - Fall	17 hrs
EDF 2005 Introduction to the Teaching Profession	3 hrs
MUT 1121 Music Theory and Musicianship I	4 hrs
MVK 1111 Class Piano I	1 hr
MUS 1250 IPA for Singers	1 hr
MUS 1010 Music Forum	0 hrs
GEP	6 hrs
MXV 141X Performance I	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Freshman Year - Spring	16 hrs
■ Take General Knowledge Test	
MUL 2014 Introduction to Music History and Literature	3 hrs
MUT 1122 Music Theory and Musicianship II	4 hrs
MVK 1112 Class Piano II	1 hr
MUS 1010 Music Forum	0 hrs
GEP	6 hrs
MXV 141X Performance I	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Sophomore Year - Fall	17 hrs
MUS 1010 Music Forum	0 hrs
MUT 2126 Music Theory and Musicianship III	4 hrs
MVK 2121 Class Piano III	1 hr
MUH 3211 Music History and Literature I	3 hrs
GEP	6 hrs
MUE XXXX Techniques	1 hr
MXV 242X Performance II	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Sophomore Year - Spring	15 hrs
■ Apply for Professional Program	
MUS 1010 Music Forum	0 hrs
EDF 2085 Introduction to Diversity for Educators	3 hrs
MUT 2127 Music Theory and Musicianship IV	4 hrs
MVK 2122 Class Piano IV	1 hr
MUH 3212 Music History and Literature II	3 hrs
MUE XXXX Techniques	1 hr
MXV 242X Performance II	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Junior Year - Fall	16 hrs
MUS 1010 Music Forum	0 hrs
MUG 3104 Basic Conducting	2 hrs
MUE 4331 Secondary Choral Methods I	3 hrs
EDG 4410 Teaching Strategies and Classroom Management	3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
MXV 4640 Voice Pedagogy	2 hrs
MXV 343X Performance III	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Junior Year - Spring	15 hrs
MUS 1010 Music Forum	0 hrs
MUG 3202 Choral Conducting and Materials	1 hr
MUE 4337 Secondary Instrumental Methods II	3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12	3 hrs
EME 2040 Introduction to Technology for Educators	3 hrs
MUS 3953 Recital Performance I	0 hrs
MUE 4335 Secondary Choral Methods II	3 hrs
MUS 2360C Introduction to Music Technology	3 hrs
MUE XXXX Techniques	1 hr
MXV 343X Performance III	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Senior Year - Fall	14 hrs
■ Take PET and Music Examination of FTCE	
ESE 3940 Internship I - Secondary	3 hrs
MUE 3333 Music Learning Theory and Assessment	3 hrs
MUE 4311 Elementary School Music Methods	2 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools	3 hrs
GEP	
CMENC	3 hrs

Senior Year - Spring	15 hrs
ESE 4943 Internship II - Secondary	7 hrs
MUE 4394 Seminar in Music Teaching	1 hr
MUE 4943 Music Internship II	12 hrs
GEP	3 hrs
CMENC	

Senior Year - Summer	9 hrs
■ Remaining 3 GEP courses taken as part of 9 required summer hours	

Program C - Elementary Program

Freshman Year - Fall	17 hrs
EDF 2005 Introduction to the Teaching Profession	3 hrs
MUT 1121 Music Theory and Musicianship I	4 hrs
MVK 1111 Class Piano I	1 hr
MUE 2346 Vocal Techniques	1 hr
MUS 1010 Music Forum	0 hrs
GEP	6 hrs
MXV 141X Performance I	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Freshman Year - Spring	16 hrs
■ Take General Knowledge Test	
MUL 2014 Introduction to Music History and Literature	3 hrs
MUT 1122 Music Theory and Musicianship II	4 hrs
MUS 1010 Music Forum	0 hrs
GEP	6 hrs
MXV 141X Performance I	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Sophomore Year - Fall	15 hrs
MUS 1010 Music Forum	0 hrs
MUT 2126 Music Theory and Musicianship III	4 hrs
MVK 2121 Class Piano III	1 hr
MUH 3211 Music History and Literature I	3 hrs
GEP	3 hrs
MUE XXXX Techniques	2 hrs
MXV 242X Performance II	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Sophomore Year - Spring	16 hrs
■ Apply of Professional Program	
MUS 1010 Music Forum	0 hrs
EDF 2085 Introduction to Diversity for Educators	3 hrs
MUT 2127 Music Theory and Musicianship IV	4 hrs
MVK 2122 Class Piano IV	1 hr
MUH 3212 Music History and Literature II	3 hrs
MUE XXXX Techniques	2 hrs
MXV 242X Performance II	2 hrs
MUN XXXX Ensemble	1 hr
MUN XXXX Ensemble	1 hr
CMENC/Schools	

Junior Year - Fall	15 hrs
MUS 1010 Music Forum	0 hrs
MUG 3104 Basic Conducting	2 hrs
MUE 4311 Elementary School Music Methods	2 hrs
EDG 4410 Teaching Strategies and Classroom Management	3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
MUE 4393 Music and Students with Special Needs	2 hrs
MXV 343X Performance III	2 hrs
MUN XXXX Ensemble	1 hr
GEP	3 hrs
CMENC/Schools	

UCF Degree Programs

Junior Year - Spring		16 hrs
MUS 1010	Music Forum	0 hrs
MUE 3353	General Music Literature and Techniques	2 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
MUS 3953	Recital Performance I	0 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
MUS 2360C	Introduction to Music Technology	3 hrs
MUG 3X02	Choral or Instrumental Conducting	2 hrs
GEP		3 hrs
MVX 343X	Performance III	2 hrs
MUN XXXX	Ensemble	1 hr
CMENC/Schools		

Senior Year - Fall		15 hrs
■ Take PET and Music Examination of FTCE		
ESE 3940	Internship I - Secondary	3 hrs
MUE 3333	Music Learning Theory and Assessment	3 hrs

Select 1:		3 hrs
MUE 4331	Secondary Choral Methods I or	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
GEP		3 hrs
CMENC		

Senior Year - Spring		15 hrs
ESE 4943	Internship II - Secondary	7 hrs
MUE 4394	Seminar in Music Teaching	1 hr
MUE 4943	Music Internship II	12 hrs
GEP		3 hrs
CMENC		

Senior Year - Summer		9 hrs
■ Remaining 3 GEP courses taken as part of 9 required summer hours		

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Nursing (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor

<http://www.nursing.ucf.edu>

Email: ucfnurse@ucf.edu

Dr. Jean Leuner, Dean

Dr. Linda Hennig, Associate Dean, Undergraduate

Patricia Leli, Undergraduate Coordinator

Phone: 407-823-2744

For individuals who are not Registered Nurses.

The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with a basic faculty advisor.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program
- Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit <http://www.nursing.ucf.edu>.

■ Application for admission to the University must also be submitted by the program application deadline.

■ All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

■ All applicants must have a minimum overall GPA of 3.0

■ Selected applicants will be invited to a mandatory personal interview session

■ A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at <http://www.nursing.ucf.edu>.

■ All applicants are encouraged to attend an information session, prior to submitting the application.

■ Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.

■ At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline. This includes 3 courses from Group A, and the remainder from Groups A or B.

Group A 9 hrs

■ A minimum of three courses, with a grade of C (2.00) or better.

■ May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits

Microbiology with Lab	4 hrs
Anatomy with Lab	4 hrs
Physiology with Lab	4 hrs
General Chemistry (or other approved science)	3 hrs

Group B 9 hrs

■ A minimum of three courses, with grade of C (2.0) or better at time of application.

■ All courses must be completed before program begins.

Sociology or	3 hrs
Psychology	3 hrs
Developmental Psychology	3 hrs
Human Nutrition	3 hrs
Statistics	3 hrs

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog year, including any minors

■ Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites

■ A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program

■ UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (38 hrs)

■ Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution, and should be completed in the first 60 hours.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

1. Mathematics 3 hrs

■ You may substitute a higher level math with appropriate scores on the Math Placement Test.

Prefer	MAC 1105C	College Algebra	3 hrs

2. Statistics 3 hrs

Required	STA 2014C	Principles of Statistics or	3 hrs
Required	STA 2023	Statistical Methods I	3 hrs



D: Social Foundations (6 hrs)

1. Economics/Political Science 3 hrs

Prefer	ECO 2013	Principles of Macroeconomics or	3 hrs
Prefer	ECO 2023	Principles of Microeconomics or	3 hrs
Prefer	POS 2041	American National Government	3 hrs

2. Social Sciences 3 hrs

Prefer	PSY 2012	General Psychology or	3 hrs
Prefer	SYG 2000	Introduction to Sociology	3 hrs

E: Science Foundations (8 hrs)

1. Physical Sciences 3 hrs

Suggested	CHM 1032	General Chemistry	3 hrs

2. Life Sciences 4 hrs

Required	BSC 2010C	Biology I	4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information and possible substitutions.

■ Some of these courses have prerequisites that must be taken first.

■ Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.

■ Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at

<http://www.nursing.ucf.edu>

MCB 2004C	Microbiology for Health Professionals	4 hrs
ZOO 3733C	Human Anatomy	4 hrs
PCB 3703C	Human Physiology	4 hrs
HUN 3011	Human Nutrition	3 hrs
¹ CHM 1032	General Chemistry	GEP

Select 1: 3 hrs

STA 2014C	Principles of Statistics or	GEP
STA 2023	Statistical Methods I	GEP

Select 1: 3 hrs

SOW 3104	Assessing I: Human Development or	3 hrs
DEP 2004C	Developmental Psychology	3 hrs

Select 1: 3 hrs

PSY 2012	General Psychology or	GEP
SYG 2000	Introduction to Sociology	GEP

¹ or other approved Science

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (62 hrs)

■ Any variation from the following must be approved in advance by the College of Nursing.

NUR 3065	Health Assessment	2 hrs
NUR 3065L	Health Assessment Lab	1 hr
NUR 3825	The Role of the Professional Nurse	2 hrs
NUR 3028	Essentials of Nursing Practice	2 hrs
NUR 3755L	Essentials of Nursing Practice Clinical	2 hrs
NUR 3028L	Essentials of Nursing Practice Lab	1 hr
NUR 3634	Community Health Nursing	3 hrs
NUR 3634L	Community Health Nursing Clinical	2 hrs
NUR 3125	Pathophysiology for Nursing Practice	3 hrs
NUR 3145	Pharmacology for Nursing Practice	3 hrs
NUR 3225	Nursing Care of the Adult I	3 hrs
NUR 3225L	Nursing Care of the Adult I: Clinical Practice	2 hrs
NUR 3445	Nursing Care of Families	3 hrs
NUR 3445L	Nursing Care of Families Clinical	2 hrs
NUR 3165	Nursing Research	3 hrs
NUR 4837	Health Care Issues, Policy, and Economics	3 hrs
NUR 4227	Nursing Care of the Adult II	4 hrs
NUR 4227L	Nursing Care of the Adult II: Clinical Practice	3 hrs
NUR 4535	Psychiatric Mental Health Nursing	3 hrs
NUR 4535L	Psychiatric Mental Health Clinical	2 hrs
NUR 4257	Introduction to Critical Care Nursing	3 hrs
NUR 4945L	Nursing Practicum	4 hrs
NUR 4828	Nursing Leadership, Management and Role Transition	3 hrs

NUR 4637	Public Health Nursing	2 hrs
NUR 4637L	Public Health Nursing Clinical	1 hr

5. Restricted Electives (3 hrs)

Nursing Electives

■ One College of Nursing elective

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ Students pursuing a BS degree must meet the University foreign language admission requirements before admission.

■ Mandatory Drug Screening is required prior to admission and "on demand" for continuation in the program. Students must:

■ Complete all courses in major with at least a "C" (2.0).

■ Maintain a UCF GPA of 2.5 or above.

■ Maintain a College of Nursing GPA of 2.5 or above.

10. Required Minors

■ None

11. Departmental Exit Requirements

■ All courses in major must be "C" (2.0) or better.

■ The UCF GPA must be 2.5 or above.

■ The College of Nursing GPA must be 2.5 or above.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 122

Honors In Major

Honors Option Requires:

■ Open to students with a minimum 3.5 GPA in Nursing.

■ Completion of a three credit directed readings course.

■ Completion of a three credit thesis course.

■ Must earn a minimum cumulative UCF 3.2 GPA.

■ Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs

■ Health Services Administration

■ Social Work

Certificates

■ Aging Studies

Related Minors

■ Psychology

■ Health Sciences

■ Health Services Administration

Advising Notes

■ None

Transfer Notes

■ Lower division courses do not substitute for upper division courses.

■ Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

UCF Degree Programs

Acceptable Substitutes for Transfer Courses

- The following substitutions for Common Program

Prerequisites are acceptable if taken prior to transferring to UCF:

CHM 1032: May substitute any college Chemistry course or approved Science course.	3 hrs
DEP 2004C: May substitute any Human Growth & Development across Life Span	3 hrs
HUN 3011: May substitute any Human Nutrition course	3 hrs
MCB 2004C: May substitute any General Microbiology course which has a lab.	4 hrs
PCB 3703C: May take Anatomy and Physiology sequence (AP I & II).	4 hrs
PSY 1012: May substitute any General Psychology course.	3 hrs
STA 2014C: May substitute STA2023 or equivalent.	3 hrs
SYG 2000: May substitute any Introductory Sociology course.	3 hrs
ZOO 3733C: May take Anatomy and Physiology sequence (AP I & II).	4 hrs

Plan of Study

Freshman Year - Fall	13 hrs
MAC 1105C College Algebra	3 hrs
BSC 2010C Biology I	4 hrs
¹ GEP	3 hrs

Select 1:	3 hrs
SYG 2000 Introduction to Sociology or	3 hrs
PSY 1012 General Psychology	3 hrs

¹ General Education or SLS 1501

Freshman Year - Spring	13 hrs
¹ STA 2023 Statistical Methods I	3 hrs
CHM 1032 General Chemistry	3 hrs
² GEP	3 hrs

Select 1:	3 hrs
DEP 2004C Developmental Psychology or	3 hrs
SOW 3104 Assessing I: Human Development	3 hrs

¹ or STA 2014C

² General Education Course

Freshman Year - Summer	4 hrs
MCB 2004C Microbiology for Health Professionals	4 hrs

Sophomore Year - Fall	13 hrs
ZOO 3733C Human Anatomy	4 hrs
GEP	3 hrs
HUN 3011 Human Nutrition	3 hrs

Select 1:	3 hrs
SOW 3104 Assessing I: Human Development or	3 hrs
DEP 2004C Developmental Psychology	3 hrs

Sophomore Year - Spring	13 hrs
PCB 3703C Human Physiology	4 hrs
GEP	3 hrs
GEP	3 hrs

Junior Year - Fall	15 hrs
NUR 3825 The Role of the Professional Nurse	2 hrs
NUR 3065 Health Assessment	2 hrs
NUR 3065L Health Assessment Lab	1 hr
NUR 3028 Essentials of Nursing Practice	2 hrs
NUR 3755L Essentials of Nursing Practice Clinical	2 hrs
NUR 3028L Essentials of Nursing Practice Lab	1 hr
NUR 3634 Community Health Nursing	3 hrs
NUR 3634L Community Health Nursing Clinical	2 hrs

Junior Year - Spring	16 hrs
NUR 3125 Pathophysiology for Nursing Practice	3 hrs
NUR 3145 Pharmacology for Nursing Practice	3 hrs
NUR 3225 Nursing Care of the Adult I	3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice	2 hrs
NUR 3445 Nursing Care of Families	3 hrs
NUR 3445L Nursing Care of Families Clinical	2 hrs

Junior Year - Summer	6 hrs
NUR 3165 Nursing Research	3 hrs
NUR 4837 Health Care Issues, Policy, and Economics	3 hrs
NUR XXXX Nursing Elective	3 hrs

Senior Year - Fall	12 hrs
NUR 4227 Nursing Care of the Adult II	4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice	3 hrs
NUR 4535 Psychiatric Mental Health Nursing	3 hrs
NUR 4535L Psychiatric Mental Health Clinical	2 hrs
NUR XXXX Nursing Elective if needed	3 hrs

Senior Year - Spring	13 hrs
NUR 4257 Introduction to Critical Care Nursing	3 hrs
NUR 4945L Nursing Practicum	4 hrs
NUR 4637 Public Health Nursing	2 hrs
NUR 4637L Public Health Nursing Clinical	1 hr
NUR 4828 Leadership, Management and Role Transition	3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$25 per term
- Full-Time Student: \$50 per term

Nursing - Concurrent A.S.N. to B.S.N. enrollment option (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor

<http://www.nursing.ucf.edu/>

Email: ucfnurse@ucf.edu

Dr. Jean Leuner, Dean

Dr. Linda Hennig, Assoc. Dean Undergraduate

Dr. Susan Chase, Assoc. Dean Graduate

Dr. Stephen Heglund, RN to MSN Coordinator

Phone: 407-823-2744

A partnership between selected Florida College System institutions and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enroll in the RN to BSN program while completing the ASN program. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements

- Acceptance to the University does not constitute admission to this program. Only students admitted to the Florida College System institution Nursing Programs are eligible for this enrollment option. Upon invitation, if not already admitted to UCF, students must make separate application to UCF and College of Nursing. Students are accepted into this program for their first semester of nursing and must progress according to a designated plan of study.
- Students must be accepted by UCF prior to beginning the ASN program. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.
- Criminal background checks and drug screening are required for all Concurrent students prior to their registering for the final practicum course NUR 4604L.

At the time of application, students must have:

- A cumulative GPA of 3.0 or above.
- Completed application to a Florida College System institution ASN Nursing program.
- An AA degree from a Florida College System or State University System institution or have met ALL UCF General Education requirements prior to program start.
- Met UCF Foreign Language admission requirement prior to program start.



- Completed seven out of eight pre-requisite coursework for UCF and all of the ASN nursing programs by deadline.
- A satisfactory score on the standardized entry test(s) required by both programs.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Prefer MAC 1105C College Algebra 3 hrs

Select 1: 3 hrs

Required STA 2014C Principles of Statistics or 3 hrs

Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs

Prefer SYG 2000 Introduction to Sociology or 3 hrs

Prefer PSY 2012 General Psychology 3 hrs

Select 1: 3 hrs

Prefer ECO 2013 Principles of Macroeconomics or 3 hrs

Prefer ECO 2023 Principles of Microeconomics or 3 hrs

Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (7 hrs)

¹ Required BSC 2010C Biology I 4 hrs

² Required CHM 1032 General Chemistry 3 hrs

¹ Science Foundation is six credit hours for General Education Program. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

² or other Physical Science

2. Common Program Prerequisites (CPP) (18 hrs)

- Applicants should see a UCF Nursing Advisor for possible course substitutions.

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

MCB 2004C Microbiology for Health Professionals 4 hrs

¹ CHM 1032 General Chemistry GEP

² ZOO 3733C Human Anatomy 4 hrs

² PCB 3703C Human Physiology 4 hrs

HUN 3011 Human Nutrition 3 hrs

Select 1:

STA 2023 Statistical Methods I or GEP

³ STA 2014C Principles of Statistics GEP

Select 1: 3 hrs

SOW 3104 Assessing I: Human Development or 3 hrs

DEP 2004C Developmental Psychology 3 hrs

Select 1:

³ PSY 2012 General Psychology or GEP

³ SYG 2000 Introduction to Sociology GEP

¹ Or other approved science. Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

² May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.

³ Also meets General Education Requirements; Applicants should see a

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (55 hrs)

Core UCF Requirements 28 hrs

NUR 3806 Professional Socialization Seminar 1 hr

NUR 3065 Health Assessment 2 hrs

NUR 3065L Health Assessment Lab 1 hr

NUR 3805 Dimensions of Professional Nursing 3 hrs

Practice

NUR 3165 Nursing Research 3 hrs

NUR 3634 Community Health Nursing 3 hrs

NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

NUR 4828 Nursing Leadership, Management and Role 3 hrs

Transition

NUR 4637 Public Health Nursing 2 hrs

NUR 4604L Practicum in Community and Public Health 4 hrs

Nursing for RNs

NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Upper Division Credit 27 hrs

- May be met by validation

NUR 3028 Essentials of Nursing Practice 2 hrs

NUR 3028L Essentials of Nursing Practice Lab 1 hr

NUR 3755L Essentials of Nursing Practice Clinical 2 hrs

NUR 3225 Nursing Care of the Adult I 3 hrs

NUR 3225L Nursing Care of the Adult I: Clinical 2 hrs

Practice

NUR 3445 Nursing Care of Families 3 hrs

NUR 3445L Nursing Care of Families Clinical 2 hrs

NUR 4227 Nursing Care of the Adult II 4 hrs

NUR 4227L Nursing Care of the Adult II: Clinical 3 hrs

Practice

NUR 4535 Psychiatric Mental Health Nursing 3 hrs

NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (3 hrs)

Any one upper division nursing elective 3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to program start.

Graduation

- None

8. Electives

- variable to meet degree requirements

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Completion of all courses in major with a grade of "C" (2.0) or better

- Overall Cumulative GPA of 2.5 or above

- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be

completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- See Nursing HIM Advisor



UCF Degree Programs

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Health Sciences
- Health Services Administration
- Psychology

Advising Notes

- None

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

(31 hrs)

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$25 per term
- Full-Time Student: \$50 per term

Nursing - R.N. to B.S.N. Program (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor

<http://www.nursing.ucf.edu>

Email: ucfnurse@ucf.edu

Dr. Stephen Heglund, RN to BSN Coordinator

Dr. Linda Hennig, Assoc. Dean Undergraduate

Dr. Jean Leuner, Dean

Phone: 407-823-2744

BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, Gordon Rule, etc.). All courses are available online and some courses may be offered face-to-face as well. For more information, see <http://distrib.ucf.edu/home> and <http://www.nursing.ucf.edu>.

Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
 - Admission to UCF undergraduate program; graduation from an approved or accredited associate degree or diploma nursing program; current Licensure as an RN and, have either completed the UCF General Education Program (GEP) requirements or completed an AA degree from a Florida College System or State University System institution or have no more than a total of 9 credit hours remaining to meet UCF General Education and/or Foreign Language graduation requirements.

- Completion of program prerequisite courses with at least a grade of "C" (2.0) or better in each course.

- A minimum overall GPA of 2.8

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding Common Program Prerequisites (CPP) requirements.

- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.

- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.

- UCF Residency Requirement: 30 hours.

- The courses designated in sections 1 (General Education - 36 hours) must be completed prior to enrolling in NUR 3634 - Community Health Nursing.

- The Foreign Language graduation requirement must be completed before enrolling in NUR 3634 - Community Health Nursing.

1. UCF General Education Program (GEP)	(36 hrs)
A: Communication Foundations	(9 hrs)
B: Cultural & Historical Foundations	(9 hrs)
C: Mathematical Foundations	(6 hrs)
Prefer MAC 1105C College Algebra	3 hrs

Select 1:			3 hrs
Required STA 2014C	Principles of Statistics or	3 hrs	
Required STA 2023	Statistical Methods I	3 hrs	

D: Social Foundations (6 hrs)

Select 1:			3 hrs
¹ Required SYG 2000	Introduction to Sociology or	3 hrs	
¹ Required PSY 2012	General Psychology	3 hrs	

Select 1: (3 hrs)

Suggested ECO 2013	Principles of Macroeconomics	3 hrs
	or	
Suggested ECO 2023	Principles of Microeconomics	3 hrs
	or	
Suggested POS 2041	American National Government	3 hrs

¹ One of these courses is required to meet General Education requirements.

E: Science Foundations			(6 hrs)
Required	BSC 2010C	Biology I	4 hrs
¹ Required	CHM 1032	General Chemistry	3 hrs

¹ Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is a prerequisite for Nutrition(HUN 3011)

2. Common Program Prerequisites (CPP) (18 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

Select 1:			
¹ PSY 2012	General Psychology or	GEP	
² SYG 2000	Introduction to Sociology	GEP	
MCB 2004C	Microbiology for Health Professionals	4 hrs	
³ CHM 1032	General Chemistry	GEP	
⁴ ZOO 3733C	Human Anatomy	4 hrs	
⁴ PCB 3703C	Human Physiology	4 hrs	
HUN 3011	Human Nutrition	3 hrs	

Select 1:			
² STA 2014C	Principles of Statistics or	GEP	
STA 2023	Statistical Methods I	GEP	

Select 1:			3 hrs
SOW 3104	Assessing I: Human Development or	3 hrs	
DEP 2004C	Developmental Psychology	3 hrs	

¹ PSY 2012 or SYG 2000 Also meet General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

² Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

³ (or other approved Science)Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

⁴ May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (54 hrs)

UCF Core 27 hrs

NUR 3805	Dimensions of Professional Nursing Practice	3 hrs
NUR 3065	Health Assessment	2 hrs
NUR 3065L	Health Assessment Lab	1 hr
NUR 3125	Pathophysiology for Nursing Practice	3 hrs
NUR 3165	Nursing Research	3 hrs
NUR 3634	Community Health Nursing	3 hrs
NUR 4837	Health Care Issues, Policy, and Economics	3 hrs
NUR 4604L	Practicum in Community and Public Health	4 hrs
NUR 4828	Nursing Leadership, Management and Role Transition	3 hrs
NUR 4637	Public Health Nursing	2 hrs

Upper Division Credit 27 hrs

- Upper Division Credit may be met by Validation and RN License.

NUR 3028	Essentials of Nursing Practice	2 hrs
NUR 3755L	Essentials of Nursing Practice Clinical	2 hrs
NUR 3028L	Essentials of Nursing Practice Lab	1 hr
NUR 3225	Nursing Care of the Adult I	3 hrs
NUR 3225L	Nursing Care of the Adult I: Clinical Practice	2 hrs
NUR 3445	Nursing Care of Families	3 hrs
NUR 3445L	Nursing Care of Families Clinical	2 hrs
NUR 4227	Nursing Care of the Adult II	4 hrs
NUR 4227L	Nursing Care of the Adult II: Clinical Practice	3 hrs
NUR 4535	Psychiatric Mental Health Nursing	3 hrs
NUR 4535L	Psychiatric Mental Health Clinical	2 hrs

5. Restricted Electives (3 hrs)

- Any one upper division nursing elective (NUR, NSP, NGR prefix)

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.

Graduation

- None

8. Electives

- variable to meet degree requirements

9. Additional Requirements

Progression Requirements:

- A criminal background check and mandatory Drug Screening are required prior to any clinical course and "on demand" for continuation in the program.
- Complete all courses in major with at least a "C" (2.0).
- Maintain a UCF GPA of 2.5 or above.
- Maintain a College of Nursing GPA of 2.5 or above.
- Prior to NUR 3634 Community Health Nursing: 1) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida College System or State University System institution; 4) complete foreign language admission requirement

Other:

- Selected courses may be offered at regional campuses of Daytona, Cocoa, and Leesburg.
- The RN to BSN coursework is offered online. Some on-campus labs and clinical practice may be required. For more information visit <http://www.nursing.ucf.edu>.
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

10. Required Minors

- None

11. Departmental Exit Requirements

- Completion of all courses in major with a grade of "C" (2.0) or better
- Overall cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Contact Program Coordinator or HIM Advisor

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Health Sciences
- Health Information Management
- Health Services Administration
- Psychology

Advising Notes

- Students are required to design an individual plan of study with an advisor. An example plan is noted below. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (30 hrs)

- assuming general education, foreign language, and nursing prerequisites are complete

Junior Year - Fall

NUR 3805	Dimensions of Professional Nursing Practice	3 hrs
NUR 3065	Health Assessment	2 hrs
NUR 3065L	Health Assessment Lab	1 hr

Junior Year - Spring

NUR 3165	Nursing Research	3 hrs
NUR 3634	Community Health Nursing	3 hrs

Junior Year - Summer

NUR 4837	Health Care Issues, Policy, and Economics	3 hrs
NUR/NSP XXXX	Nursing Elective	3 hrs

Senior Year - Fall

NUR 4828	Nursing Leadership, Management and Role Transition	3 hrs
NUR/NSP XXXX	Nursing Elective	3 hrs

Senior Year - Spring

NUR 4604L	Practicum in Community and Public Health	4 hrs
NUR 4637	Nursing for RNs Public Health Nursing	2 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$25 per term
- Full-Time Student: \$50 per term

UCF Degree Programs

Philosophy (B.A.)

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

<http://philosophy.cah.ucf.edu/>

Email: Philosophy2@ucf.edu

Dr. Don Jones, Don.Jones@ucf.edu

Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu

Phone: 407-823-2273

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.

- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.

- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required	HUM 2210	Humanistic Tradition I	3 hrs
Required	HUM 2230	Humanistic Tradition II	3 hrs
Required	PHI 2010	Introduction to Philosophy	3 hrs

C: Mathematical Foundations (6 hrs)

Math (6 hrs)

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs
		or	

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers (3 hrs)

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level

HUM 2210	Humanistic Tradition I	GEP
HUM 2230	Humanistic Tradition II	GEP
PHI 2010	Introduction to Philosophy	GEP

4. Core Requirements: Advanced Level (36 hrs)

Core (6 hrs)

¹ PHI 3083	Research Methods in Philosophy	3 hrs
PHI 4938	Senior Research Seminar	3 hrs

¹ To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

Reasoning (6 hrs)

Select 2: (6 hrs)

PHI 2011	Philosophical Reasoning or	3 hrs
PHI 2101	Formal Logic I or	3 hrs
PHI 2108	Critical Thinking or	3 hrs
PHI 2647	Logic and Ethics or	3 hrs
PHI 3131	Formal Logic II	3 hrs

History of Philosophy (9 hrs)

Select 2: (6 hrs)

PHH 3100	Ancient Philosophy or	3 hrs
PHH 3200	Medieval Philosophy or	3 hrs
PHH 3460	Modern Western Philosophy	3 hrs

Select 1:		3 hrs
PHH 3600	Contemporary Philosophy or	3 hrs
PHH 3510	Marx and Nietzsche or	3 hrs
PHH 3700	American Philosophy or	3 hrs
PHI 3790	African Philosophy	3 hrs

Values and Society

Select 2: (6 hrs)

PHI 3670	Ethical Theory or	3 hrs
PHI 3626	Advanced Ethics in Science and Technology or	3 hrs
PHM 3401	Philosophy of Law or	3 hrs
PHI 3800	Aesthetics or	3 hrs
PHM 3123	Feminist Theories or	3 hrs
PHI 3638	Ethical Issues in the 21st Century or	3 hrs
PHI 3625	Virtual Ethics or	3 hrs
PHI 4633	Ethics and Biological Science or	3 hrs
PHM 3100	Freedom and Justice or	3 hrs
PHI 3640	Environmental Ethics or	3 hrs
PHM 4031	Environmental Philosophy or	3 hrs
PHH 3701	Native American Philosophy or	3 hrs
PHI 3805	Contemporary Aesthetics	3 hrs
HUM 4823	Queer Theory in the Humanities	3 hrs

Being and Knowing

Select 2: (6 hrs)

PHI 4500	Metaphysics or	3 hrs
PHI 4341	Ways of Knowing or	3 hrs
PHI 4300	Theories of Knowledge or	3 hrs
PHI 3700	Philosophy of Religion or	3 hrs
PHI 4400	Philosophy of Science or	3 hrs
PHI 3320	Philosophy of Mind or	3 hrs
PHI 3451	Philosophy of Psychology or	3 hrs
PHI 4420	Philosophy of Social Science or	3 hrs
PHI 3323	Minds and Machines: Philosophy of Cognitive Science or	3 hrs
PHP 4782	Phenomenology or	3 hrs
PHI 4221	Philosophy of Language	3 hrs

Topics in Philosophy

Select 1: (3 hrs)

- Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.

PHI 4931	Philosophy in the News or	3 hrs
PHI 4321	Philosophies of Embodiment: Mind/Body/ Self or	3 hrs
PHM 3022	Sexuality, Gender & Philosophy or	3 hrs
PHI 3033	Philosophy, Religion, and the Environment or	3 hrs
PHI 4804	Critical Theory or	3 hrs
PHP 3783	Modernity as a Philosophical Problem or	3 hrs
PHI 3750	The Problem of Evil or	3 hrs
PHI 3720	Faith and Reason or	3 hrs
PHI 3803	Philosophy and Creativity or	3 hrs
REL 3111	Religion and Philosophy Through Film or	3 hrs
PHP 3786	Existentialism or	3 hrs
HUM 4330	Performance Theory or	3 hrs
PHI 4935	Topics in Philosophy of Mind or	3 hrs
PHP 4933	Key Concepts in Philosophy or	3 hrs
PHP 4931	Key Figures in Philosophy	3 hrs

5. Restricted Electives (6 hrs)

- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.



8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a "C" (2.0) or better in each required course.
- Departmental Exit Exam in final semester, included in PHI 4938: Senior Research Seminar
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

Computer Competency met by one of the following: 3 hrs

PHI 4970H	Undergraduate Honors Thesis or	1 hr
PHI 4938	Senior Research Seminar or	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

Core Requirements 36 hrs

- Same requirements as for regular majors, but must include the following:

PHI 2101	Formal Logic I	3 hrs

Upper Division Restricted Electives 6 hrs

- Same as requirement for regular majors

Honors Thesis

PHI 4903H	Honors Directed Reading I	1 hr
PHI 4970H	Undergraduate Honors Thesis	1 hr

Additional Requirements

- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
 - Fulfill University requirements for Honors in the Major.
 - Maintain UCF GPA of at least 3.2 and a Philosophy GPA of at least 3.5.
 - Successful completion and oral defense of Honors thesis.
 - Earn a "B" (3.0) or better in both of the following courses:
- | | | |
|-----------|-----------------------------|------|
| PHI 4903H | Honors Directed Reading I | 1 hr |
| PHI 4970H | Undergraduate Honors Thesis | 1 hr |

Related Programs

- Humanities
- Humanities - Philosophy, Religion, & Popular Culture Track
- Religion and Cultural Studies

Certificates

- None

Related Minors

- Cognitive Sciences
- Environmental Studies
- Humanities
- Philosophy
- Religion and Cultural Studies
- Women's Studies

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 16 hrs

ENC 1101	Composition I	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs
SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs

Freshman Year - Spring 16 hrs

ENC 1102	Composition II	3 hrs
HUM 2230	Humanistic Tradition II	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
Restricted Elective		3 hrs
SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs

Sophomore Year - Fall 15 hrs

GEP		3 hrs
GEP		3 hrs
GEP		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Sophomore Year - Spring 15 hrs

GEP		3 hrs
GEP		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Junior Year - Fall 15 hrs

PHI 3083	Research Methods in Philosophy	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Junior Year - Spring 15 hrs

Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Senior Year - Fall 15 hrs

Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Senior Year - Spring 15 hrs

PHI 4938	Senior Research Seminar	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

UCF Degree Programs

Photography (B.S.)

College of Arts and Humanities

School of Visual Arts and Design

(This program is offered at UCF at the Daytona Beach Campus)

<http://svad.cah.ucf.edu/bsphotography>

Phone: 386-506-4034

(This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-Studio B.A. and Art-Studio B.F.A. programs.) The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, school courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements

- Completion of an A.S. in Photographic Technology from Daytona State College or equivalent coursework.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 36 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design
- Students must earn at least a "C" (2.0) in each required upper level course and maintain an overall GPA of at least 2.0
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (36 hrs)

- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:

A: Communication Foundations (9 hrs)

¹ Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
	SPC 2600	Speech (A.S.)	3 hrs

¹ If not already completed as part of the A.S. degree, after acceptance into the program.

B: Cultural & Historical Foundations (9 hrs)

¹ Required	ARH 2051	History of Western Art II	3 hrs

¹ If not already completed as part of the A.S. degree, after acceptance into the program.

C: Mathematical Foundations (6 hrs)

If not already completed as part of the A.S. degree, after acceptance into the program. 3 hrs

Required	MAC 1105C	College Algebra or	3 hrs
	MGF 2106	College Mathematics or	3 hrs
	MGF 2107	Mathematics for Liberal Arts	3 hrs
		Computer Science or Statistics	3 hrs

D: Social Foundations (6 hrs)

	Political Science or Economics	3 hrs
	Psychology or Sociology (If not already completed as part of the A.S. degree, after acceptance into the program.)	3 hrs

E: Science Foundations (6 hrs)

	Physical Science	3 hrs
	Life Science	3 hrs

2. Common Program Prerequisites (CPP)

- (Included in A.S. or B.S. requirements.)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

- Subject to change. Prerequisites have not been set by the state.

¹ ARH 2051	History of Western Art II	GEP
² PGY 3651C	Narrative Editorial Photography	3 hrs
PGY 1403*	Fundamentals of Photography (Already included in A.S. requirements)	

¹ Already included in A.S. requirements.

² Already included in B.S. requirements.

3. Core Requirements: Basic Level (49 hrs)

- Completed in the A.S. in Photographic Technology at Daytona State College, or equivalent coursework

4. Core Requirements: Advanced Level (33 hrs)

PGY 3002	Contemporary Photography	3 hrs
PGY 3205C	Photographic Lighting Techniques	3 hrs
PGY 3276	The Professional Environment	3 hrs
PGY 3472C	Photo Visualization	3 hrs
PGY 3653C	Advanced Editorial Photography	3 hrs
PGY 3751C	Videography	3 hrs
PGY 3821C	Advanced Digital Photography	3 hrs
PGY 4003	Image, Culture, and Society	3 hrs
PGY 4228C	Advanced Illustrative Photography	3 hrs
PGY 4471	Photography Thesis	3 hrs
PGY 3651C	Narrative Editorial Photography	CPP

Select one of the following courses:

CRW 3011	Creative Writing for Non-Majors or	3 hrs
ENC 3250	Professional Writing	3 hrs

5. Restricted Electives (6 hrs)

Select two of the following courses:

PGY 3451C	Alternative Processes	3 hrs
PGY 3480	Museum and Gallery Practices	3 hrs
PGY 3703C	Photography & the Web	3 hrs
PGY 4235C	Professional Photographic Workshop	3 hrs
PGY 4493C	Photography and Art	3 hrs
PGY 4941	Internship	3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 127

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- <http://svad.cah.ucf.edu/bsphotography>



Transfer Notes

■ Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.

■ Lower division courses do not substitute for upper division courses.

■ Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

■ Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study

■ None

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

■ Part-Time Student: \$45 per term
■ Full-Time Student: \$90 per term

Photonic Science and Engineering (B.S.P.S.E.)

College of Optics and Photonics

CREOL, Room: 101

Phone: 407-823-6800

The Bachelor of Science in Photonic Science and Engineering degree is designed to prepare the next generation of engineers for the growing optics and photonics industry, which has a broad set of applications including manufacturing, healthcare, telecommunication, defense, security and entertainment. The program draws on UCF's internationally recognized strengths in the field of optics and lasers, and is matched to the strong photonics industry in Central Florida. The degree is offered jointly by the College of Optics and Photonics and the College of Engineering and Computer Science.

Admission Requirements

■ Students who wish to declare their major in Photonic Science and Engineering must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

Degree Requirements

■ Majors in the B.S.P.S.E. degree are required to achieve a 2.250 or greater GPA for their engineering core courses, together with the courses required for the major, technical elective courses, and the senior design courses.

1. UCF General Education Program (GEP) (38 hrs)

■ Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

Select 1: (3 hrs)

Suggested	SPC 1608	Fundamentals of Oral Communication or	3 hrs
Suggested	SPC 1603C	Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Select two courses from Historical Foundations	6 hrs
Select one class from Cultural Foundations	3 hrs

C: Mathematical Foundations (7 hrs)

Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs
Required	STA 3032	Probability and Statistics for Engineers	3 hrs

D: Social Foundations (6 hrs)

Select 1: (3 hrs)

Suggested	ECO 2013	Principles of Macroeconomics	3 hrs
		or	
Suggested	ECO 2023	Principles of Microeconomics	3 hrs
Select one class from Social Foundations			3 hrs

E: Science Foundations (7 hrs)

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Choose one class from Science Foundations			3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida postsecondary schools and may be transferred directly to UCF programs. To enroll in PSE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

MAC 2311C	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Ordinary Differential Equations I	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

Select 1: (4 hrs)

CHS 1440	Fundamentals of Chemistry for Engineers	4 hrs
	or	
CHM 2045C	Chemistry Fundamentals I	4 hrs

3. Core Requirements: Basic Level (14 hrs)

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr
EGN 3211	Engineering Analysis and Computation	3 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
PHY 3101	Physics for Engineers and Scientists III	3 hrs

Select 1: (3 hrs)

EGN 3321	Engineering Analysis-Dynamics or	3 hrs
EGN 3358	Thermo-Fluids-Heat Transfer	3 hrs

4. Core Requirements: Advanced Level (42 hrs)

Engineering Requirements (17 hrs)

EEL 3004C	Electrical Networks	3 hrs
EEL 3470	Electromagnetic Fields	3 hrs
EEE 3350	Semiconductor Devices I	3 hrs
EEL 3123C	Networks and Systems	4 hrs
EEE 3307C	Electronics I	4 hrs

Photonics Requirements (25 hrs)

OSE 3052	Introduction to Photonics	3 hrs
OSE 3052L	Introduction to Photonics Laboratory	1 hr
OSE 3053	Electromagnetic Waves for Photonics	3 hrs
OSE 4520	Laser Engineering	3 hrs
OSE 4520L	Laser Engineering Laboratory	1 hr
OSE 4410	Optoelectronics	3 hrs
OSE 4410L	Optoelectronics Laboratory	1 hr
OSE 4470	Fiber-Optic Communications	3 hrs
OSE 4470L	Fiber-Optic Communications Laboratory	1 hr
OSE 4830	Imaging and Display	3 hrs
OSE 4830L	Imaging and Display Laboratory	1 hr
OSE 4930	Frontiers of Optics and Photonics	2 hrs

5. Restricted Electives (9 hrs)

■ Students must select at least 3 credit hours of restricted electives with the course prefix OSE. The remaining 6 hours may be taken from upper level photonics, other engineering, physics or mathematics or other approved related electives. Electives must be approved by the program advisor.

6. Capstone Requirements (6 hrs)

OSE 4911	Senior Design I	3 hrs
OSE 4912	Senior Design II	3 hrs

UCF Degree Programs

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ Photonic science and engineering students must earn at least 32 hours in residence at UCF. 24 of the 32 Residency hours must be at the 3000-5000 level, in courses taken from the College of Optics and Photonics at UCF and applicable to the degree program.

10. Required Minors

■ None

11. Departmental Exit Requirements

■ None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 128

Honors In Major

■ None

Related Programs

- Electrical Engineering
- Computer Engineering
- Physics

Certificates

■ None

Related Minors

- Engineering Leadership
- Mathematics
- Physics

Advising Notes

- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess
- Students are assumed to have knowledge of a higher level programming language (C preferred).

Transfer Notes

- Courses taken from Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the program academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (128 hrs)

Freshman Year - Fall 15 hrs

Historical Foundation	3 hrs
MAC 2311C Calculus with Analytic Geometry I	4 hrs
SPC 1608 Fundamentals of Oral Communication	3 hrs
EGN 1006C Introduction to the Engineering Profession	1 hr
CHS 1440 Fundamentals of Chemistry for Engineers	4 hrs

Freshman Year - Spring

ENC 1101 Composition I	3 hrs
EGN 1007C Engineering Concepts and Methods	1 hr
MAC 2312 Calculus with Analytic Geometry II	4 hrs
PHY 2048C Physics for Engineers & Scientists I	4 hrs
ECO 2013 Principles of Macroeconomics	3 hrs

Sophomore Year - Fall

MAC 2313 Calculus with Analytic Geometry III	4 hrs
PHY 2049C Physics for Engineers and Scientists II	4 hrs
ENC 1102 Composition II	3 hrs
EGN 3211 Engineering Analysis and Computation	3 hrs
Cultural Foundation	3 hrs

Sophomore Year - Spring

MAP 2302 Ordinary Differential Equations I	3 hrs
EEL 3004C Electrical Networks	3 hrs
EGN 3310 Engineering Analysis-Statics	3 hrs
PHY 3101 Physics for Engineers and Scientists III	3 hrs
Science Foundation	3 hrs

Sophomore Year - Summer

EEL 3123C Networks and Systems	4 hrs
Social Foundation	3 hrs

Select 1:

EGN 3321 Engineering Analysis-Dynamics or	3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer	3 hrs

Junior Year - Fall

OSE 3052 Introduction to Photonics	3 hrs
OSE 3052L Introduction to Photonics Laboratory	1 hr
EEE 3307C Electronics I	4 hrs
EEE 3350 Semiconductor Devices I	3 hrs
EEL 3470 Electromagnetic Fields	3 hrs

Junior Year - Spring

STA 3032 Probability and Statistics for Engineers	3 hrs
OSE 4410 Optoelectronics	3 hrs
OSE 4410L Optoelectronics Laboratory	1 hr
OSE 4520 Laser Engineering	3 hrs
OSE 4520L Laser Engineering Laboratory	1 hr
OSE 3053 Electromagnetic Waves for Photonics	3 hrs

Senior Year - Fall

OSE 4470 Fiber-Optic Communications	3 hrs
OSE 4470L Fiber-Optic Communications Laboratory	1 hr
OSE 4911 Senior Design I	3 hrs
OSE 4930 Frontiers of Optics and Photonics	2 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

Senior Year - Spring

OSE 4912 Senior Design II	3 hrs
OSE 4830 Imaging and Display	3 hrs
OSE 4830L Imaging and Display Laboratory	1 hr
Restricted Elective	3 hrs
Historical Foundation	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Physics (B.S.)

College of Sciences

Department of Physics,

Physical Sciences Building, Room: 430

<http://www.physics.ucf.edu>

Email: physics@ucf.edu

Dr. Talat Rahman

Phone: 407-823-2325

Physics majors can select from five distinct specializations to earn their physics degree, as described below in Section 4, Core Requirements, Advanced. While the various specializations share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.

- Grades below "C" (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.

- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.

- Physics majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.

- All prerequisites of courses taught within the College of Sciences will be enforced.

- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- AA transfer students are expected to have completed the following courses before enrolling as a Physics major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)

Prefer	SPC 1603C	Fundamentals of Technical Presentations	3 hrs

Take all of the following: 6 hrs

Required	ENC 1101	Composition I and	3 hrs
Required	ENC 1102	Composition II	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs
Required	COP 3502C	Computer Science I	3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations

1. Physical Science; 4 hrs

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs

2. Life sciences; 3 hrs

Select from the E.2. GEP list.			3 hrs

2. Common Program Prerequisites (CPP) (20 hrs)

MAC 2311C	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs

Select one of the following sequences of courses:

CHM 2045C	Chemistry Fundamentals I	4 hrs

or

CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

Take all of the following:

CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

3. Core Requirements: Basic Level (36 hrs)

- Required of all specializations.

- In addition to those courses specified in the Common Program Prerequisites, students also must complete the following.

Core: Required, satisfies the CPP

CHM 2045C	Chemistry Fundamentals I	CPP

- or

CHM 2040	Chemistry Fundamentals IA and	CPP
CHM 2041	Chemistry Fundamentals IB	CPP

- and

MAC 2311C	Calculus with Analytic Geometry I and	GEP/ CPP
MAC 2312	Calculus with Analytic Geometry II and	CPP
MAC 2313	Calculus with Analytic Geometry III and	CPP
PHY 2048C	Physics for Engineers & Scientists I and	GEP/ CPP
PHY 2049C	Physics for Engineers and Scientists II	CPP

Core: Additional requirements

MAP 2302	Ordinary Differential Equations I	3 hrs
PHY 3101	Physics for Engineers and Scientists III	3 hrs
PHZ 3113	Introduction to Theoretical Methods of Physics	3 hrs

PHY 3220	Mechanics I	3 hrs
PHY 3513	Thermal and Statistical Physics	3 hrs
PHY 3323	Electricity and Magnetism I	3 hrs
PHY 4324	Electricity and Magnetism II	3 hrs
PHY 4604	Wave Mechanics I	3 hrs
PHY 4605	Wave Mechanics II	3 hrs
PHY 4912	Directed Independent Research (in area of specialization)	3 hrs

Laboratory Requirement 6 hrs

PHY 3802L	Intermediate Physics Laboratory	3 hrs

And either

PHY 3752C	Physics of Scientific Instruments or	3 hrs
PHY 3722C	Physics Laboratory-Electronics	3 hrs

4. Core Requirements: Advanced Level

- Select one specialization

4.1. General Physics Specialization 18 hrs

PHY 4803L	Advanced Physics Laboratory	3 hrs

- Restricted Electives: 6 hrs

Select from upper division PHY, PHZ, or AST courses

- Directed Electives: 9 hrs

Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2. Materials Physics Specialization 18 hrs

- Select 1 3 hrs

PHY 4803L	Advanced Physics Laboratory or	3 hrs
EEE 5356C	Fabrication of Solid-State Devices	4 hrs

- Select 3 9 hrs

EEE 3350	Semiconductor Devices I or	3 hrs
EGN 3365	Structure and Properties of Materials or	3 hrs
EMA 4413	Fundamentals of Electronic Materials or	3 hrs
CHM 3411L	Physical Chemistry Laboratory or	2 hrs
PHZ 5405	Condensed Matter Physics or	3 hrs
EEE 5352	Semiconductor Material and Device Characterization	3 hrs

- Directed Electives: 6 hrs

Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.3. Optics and Lasers Specialization 18 hrs

PHY 4424	Optics	3 hrs

- Select 2 6 hrs

EEL 4440	Optical Engineering or	3 hrs
PHY 4445	Lasers or	3 hrs
OSE 5203	Geometrical Optics and Imaging Systems or	3 hrs
OSE 5312	Light Matter Interaction or	3 hrs
OSE 5414	Fundamentals of Optoelectronic Devices	3 hrs



UCF Degree Programs

- Directed Electives: 9 hrs

Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.4. Computational Physics Specialization 19 hrs

PHZ 3151	Computer Methods in Physics	3 hrs
COP 3502C	Computer Science I	3 hrs
COP 3503C	Computer Science II	3 hrs
COT 4500	Numerical Calculus	3 hrs

- Directed Electives 6 hrs

Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.5. Astronomy Specialization 18 hrs

AST 2002	Astronomy	3 hrs

- Select one 3 hrs

AST 4700	Experimental Methods in Astronomy or	3 hrs
AST 4762C	Astronomical Data Analysis or	3 hrs
AST 5765C	Advanced Astronomical Data Analysis	3 hrs

- and 6 hrs

Select from upper division AST courses

- Directed Electives: 6 hrs

Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

5. Restricted Electives

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must have at least a 2.0 GPA in all courses counted toward the major
- Students will be required to take a nationally normed test in Physics during their last semester
- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Mathematics - Engineering/Physics Track
- Mathematics - Applied Track
- Mathematics - Pure Track
- Electrical Engineering
- Mechanical Engineering

Certificates

- None

Related Minors

- Mathematics
- Physics
- Astronomy

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:

CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ <http://chemplacement.sdes.ucf.edu/>
- Prior to enrolling in Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>

- Although all classes are listed during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 14 hrs

MAC 2311C	Calculus with Analytic Geometry I	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
GEP		3 hrs
GEP		3 hrs

Freshman Year - Spring 15 hrs

PHY 2048C	Physics for Engineers & Scientists I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
Note: Lab may be taken later if seats are not available		
GEP		3 hrs

Sophomore Year - Fall 17 hrs

PHY 2049C	Physics for Engineers and Scientists II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
COP 3502C	Computer Science I	3 hrs
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Spring 15 hrs

PHY 3101	Physics for Engineers and Scientists III	3 hrs
PHZ 3113	Introduction to Theoretical Methods of Physics	3 hrs
MAP 2302	Ordinary Differential Equations I	3 hrs
GEP		3 hrs
GEP		3 hrs

Junior Year - Fall 15 hrs

PHY 3802L	Intermediate Physics Laboratory	3 hrs
PHY 3323	Electricity and Magnetism I	3 hrs
PHY 3513	Thermal and Statistical Physics	3 hrs
Core Course		3 hrs
Restricted Elective		3 hrs



Junior Year - Spring	15 hrs
PHY 3220 Mechanics I	3 hrs
PHY 4324 Electricity and Magnetism II	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
GEP	3 hrs

Senior Year - Fall	15 hrs
PHY 4604 Wave Mechanics I	3 hrs
PHY 4912 Independent Research	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs

Senior Year - Spring	14 hrs
PHY 4605 Wave Mechanics II	3 hrs
Restricted Elective	3 hrs
GEP	3 hrs
Free Elective	2 hrs
Free Elective	3 hrs
Physics Test-Nationally normed	

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$12.40 per term
- Full-Time Student: \$24.80 per term

Political Science (B.A.)

College of Sciences

Department of Political Science,

Howard Phillips Hall, Room: 302

<http://politicalscience.cos.ucf.edu>

Email: politics@ucf.edu

Dr. Kerstin Hamann

Phone: 407-823-2608

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Double major/dual degree policy in Political

Science programs and minors

- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:

POS 2041 American National Government	3 hrs
POS 3703 Scope and Methods of Political Science	3 hrs

- 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following:

POS 2041 American National Government	3 hrs

- 3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

- 4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Select from GEP B.2 list			3 hrs

C: Mathematical Foundations (6 hrs)

- 1. Math (3 hrs)

Prefer	MGF 1106	Finite Mathematics or	3 hrs
Prefer	MGF 1107	Explorations in Mathematics or	3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Test.			3 hrs

- 2. Statistics (3 hrs)

Prefer	STA 2014C	Principles of Statistics or	3 hrs
Prefer	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
May substitute a higher level Statistics course.			3 hrs

D: Social Foundations (6 hrs)

Required	POS 2041	American National Government	3 hrs
Select from GEP D.2 list			3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
 - See Transfer Notes for possible substitutes.
- | | | |
|----------|--|-------|
| POS 2041 | American National Government | GEP |
| POS 3703 | Scope and Methods of Political Science | 3 hrs |

3. Core Requirements: Basic Level

- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
- | | | |
|----------|------------------------------|---------|
| POS 2041 | American National Government | GEP/CPP |
|----------|------------------------------|---------|

4. Core Requirements: Advanced Level

- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
- | | | |
|----------|--|-----|
| POS 3703 | Scope and Methods of Political Science | CPP |
|----------|--|-----|

5. Restricted Electives (30 hrs)

- Choose one of the following tracks.

Track 1: American Politics and Policy

Five courses from Area A	15 hrs
Two courses from Area B	6 hrs
Two courses from Area C	6 hrs
One additional course from any Area	3 hrs

Track 2: International Relations-Comparative Politics

No more than one of the following courses

may be considered part of area B credit:

INR 4351	International Environmental Law or	3 hrs
INR 4401	International Law or	3 hrs
INR 4404	Space Law	3 hrs
Two courses from Area A		6 hrs
Five courses from Area B		15 hrs
Two courses from Area C		6 hrs
One additional course from any Area		3 hrs

Track 3: Prelaw

- Please see Political Science - Prelaw Track

Areas of Specialization

A. American Politics and Policy Area

POS 3076	American Indian Politics or	3 hrs
POS 3122	State Government and Public Policy or	3 hrs
POS 3173	Southern Politics or	3 hrs
POS 3182	Florida Politics or	3 hrs
POS 3233	Public Opinion or	3 hrs
POS 3234	Protest in American Politics or	3 hrs
POS 3235	Mass Media and Politics or	3 hrs



UCF Degree Programs

POS 3258	Politics in Film or	3 hrs
POS 3273	Voting and Elections or	3 hrs
POS 3413	The American Presidency or	3 hrs
POS 3424	Congress and the Legislative Process or	3 hrs
POS 3443	Political Parties and Processes or	3 hrs
POS 3463	Interest Groups or	3 hrs
POS 3627	Cultural Pluralism and Law or	3 hrs
POS 4030	The Politics of Sports or	3 hrs
POS 4074	Latino Politics or	3 hrs
POS 4142	Metropolitan Politics or	3 hrs
POS 4204	Political Behavior or	3 hrs
POS 4284	Judicial Process and Politics or	3 hrs
POS 4412	Presidential Campaigning or	3 hrs
POS 4603	American Constitutional Law I or	3 hrs
POS 4604	American Constitutional Law II or	3 hrs
POS 4622	Politics and Civil Rights or	3 hrs
PUP 3203	Environmental Politics or	3 hrs
PUP 3314	Minorities in American Politics or	3 hrs
PUP 3325	Women and Political Behavior or	3 hrs
PUP 4003	American Public Policy or	3 hrs
PUP 3204	Sustainability or	3 hrs
PUP 4209	Urban Environmental Policy or	3 hrs
PUP 4323	Women and Public Policy or	3 hrs
PUP 4404	Education and Politics or	3 hrs
PUP 4503	Government and Science or	3 hrs
PUP 4510	Space Policy or	3 hrs
PUP 4602	Politics of Health or	3 hrs
PUP 4744	Government and Business or	3 hrs
PUP 4931	Topics in Public Policy	3 hrs

B. International Relations and Comparative Government Area

CPO 3034	Politics of Developing Areas or	3 hrs
CPO 3103	Comparative Politics or	3 hrs
CPO 3104	Politics of Western Europe or	3 hrs
CPO 3132	Canadian Studies or	3 hrs
CPO 3403	Politics of the Middle East or	3 hrs
CPO 3614	Politics of Eastern Europe or	3 hrs
CPO 4062	Comparative Judicial Process or	3 hrs
CPO 4074	Political Economy or	3 hrs
CPO 4101	Politics of the European Union or	3 hrs
CPO 4123	Government and Politics of Great Britain or	3 hrs
CPO 4303	Comparative Latin American Politics or	3 hrs
CPO 4445	Comparative Political Parties or	3 hrs
CPO 4514	Politics of East Asia or	3 hrs
CPO 4541	Chinese Politics or	3 hrs
CPO 4553	Politics of Japan or	3 hrs
CPO 4643	Government and Politics of Russia or	3 hrs
CPO 4710	Women in Comparative Politics or	3 hrs
CPO 4754	Comparative Political Institutions or	3 hrs
CPO 4784	Political and Economic Inequality in	3 hrs
	Comparative Perspective or	
CPO 4794	Indigenous Politics and the Environment or	3 hrs
GEO 3471	World Political Geography or	3 hrs
IDS 4315	Global Perspectives or	3 hrs
INR 2002	International Relations-Theory and Practice	3 hrs
	or	
INR 3016	Global Political Issues or	3 hrs
INR 3250	Politics of Pan-Africanism or	3 hrs
INR 3253	International Politics of Africa or	3 hrs
INR 4011	Politics of Globalization or	3 hrs
INR 4030	Diplomacy or	3 hrs
INR 4035	International Political Economy or	3 hrs
INR 4054	Global Politics of Energy or	3 hrs
INR 4060	Causes of War or	3 hrs
INR 4074	Immigration Policy or	3 hrs
INR 4075	Human Rights Policy or	3 hrs
INR 4076	Global Drug Policy or	3 hrs
INR 4084	Politics of International Terrorism or	3 hrs
INR 4085	Women, Gender, and Globalization or	3 hrs
INR 4102	American Foreign Policy or	3 hrs
INR 4104	Topics and Cases in American Foreign	3 hrs
	Policy or	
INR 4114	American Security Policy or	3 hrs
INR 4115	Strategic Weapons and Arms Control or	3 hrs
INR 4224	Contemporary International Politics of	3 hrs
	Asia or	
INR 4225	The Vietnam War or	3 hrs
INR 4243	International Politics of Latin America or	3 hrs
INR 4304	Issues in International Public Policy or	3 hrs
INR 4335	Coercion in International Politics or	3 hrs

INR 4350	Global Environmental Politics or	3 hrs
INR 4351	International Environmental Law or	3 hrs
INR 4364	The Intelligence Community or	3 hrs
INR 4401	International Law or	3 hrs
INR 4404	Space Law or	3 hrs
INR 4502	International Organizations or	3 hrs
INR 4714	Politics of International Trade Policy or	3 hrs
INR 4774	Military Space Policy or	3 hrs
POS 3253	Contemporary Revolution and Political	3 hrs
	Violence or	
PUP 3014	Comparative Public Policy or	3 hrs
PUP 4510	Space Policy	3 hrs

C. Political Theory Area 6 hrs

INR 4603	International Relations Theory or	3 hrs
POS 4206	Political Psychology or	3 hrs
POT 3204	American Political Thought or	3 hrs
POT 3302	Modern Political Ideologies or	3 hrs
POT 4003	Political Theory or	3 hrs
POT 4025	Ancient, Medieval and Early Modern	3 hrs
	Political Philosophy or	
POT 4054	Modern Political Philosophy or	3 hrs
POT 4066	Contemporary Political Theory or	3 hrs
POT 4109	Politics and Literature or	3 hrs
POT 4305	The State, Society, and the Individual or	3 hrs
POT 4314	Contemporary Democratic Theory or	3 hrs
POT 4331	Utopia/Dystopia or	3 hrs
POT 4345	Pan-Africanist Thought or	3 hrs
POT 4414	Marxist Political Theory or	3 hrs
POT 4632	Religion and Politics	3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.
- No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in Political Science, provided that no more than 50% of an Area be covered by such credits.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

■ Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

■ No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in Political Science, provided that no more than 50% of an Area be covered by such credits.

Related Programs

- Economics
- History

Certificates

- Diplomacy

Related Minors

- Economics
- History
- Psychology
- Sociology
- Philosophy

Advising Notes

- None

Transfer Notes

■ Lower division courses do not substitute for upper division courses.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

■ The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:

- POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
- POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study

■ This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

■ Prior to enrolling in Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>

■ Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall

POS 2041	American National Government	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
GEP-Math		3 hrs
GEP		3 hrs

Freshman Year - Spring

AMH 2020	U.S. History: 1877-Present	3 hrs
ENC 1102	Composition II	3 hrs
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Fall

Restricted Elective	3 hrs
Restricted Elective	3 hrs
GEP	3 hrs
Free Elective	3 hrs
Foreign Language	4 hrs

Sophomore Year - Spring

POS 3703	Scope and Methods of Political Science	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Foreign Language		4 hrs
GEP		3 hrs

Junior Year - Fall

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

Junior Year - Spring

Restricted Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

Senior Year - Fall

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

Senior Year - Spring

Restricted Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$5 per term
- Full-Time Student: \$10 per term

Political Science - Prelaw Track (B.A.)

College of Sciences

Department of Political Science,

Howard Phillips Hall, Room: 302

<http://politicalscience.cos.ucf.edu/>

Email: politics@ucf.edu

Dr. Kerstin Hamann

Phone: 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major. Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department's prelaw advisors or the College of Sciences Prelaw Advisor. The following represent a suggested curriculum which both meets the requirements for a Political Science degree while preparing you for professional school.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science



UCF Degree Programs

■ All prerequisites of courses taught within the College of Sciences will be enforced.

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Double major/dual degree policy in Political Science programs and minors

■ 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses;

POS 2041	American National Government	3 hrs
POS 3703	Scope and Methods of Political Science	3 hrs

■ 2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Select a course from GEP B.2. list			3 hrs

C: Mathematical Foundations (6 hrs)

Math: (3 hrs)

Prefer	MGF 1106	Finite Mathematics or	3 hrs
Prefer	MGF 1107	Explorations in Mathematics or	3 hrs
May substitute a higher level math with appropriate scores on the Math Placement Test.			3 hrs

Statistics: (3 hrs)

Prefer	STA 2014C	Principles of Statistics or	3 hrs
Prefer	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
May substitute a higher level statistics course.			3 hrs

D: Social Foundations (6 hrs)

Political Science (3 hrs)

Required	POS 2041	American National Government	3 hrs

Social Science (3 hrs)

Select one of the listed courses			3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ See Transfer Notes for possible substitutes for the following courses.

POS 2041	American National Government	GEP
POS 3703	Scope and Methods of Political Science	3 hrs

3. Core Requirements: Basic Level

■ Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

POS 2041	American National Government	GEP/CPP

4. Core Requirements: Advanced Level (3 hrs)

■ Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

POS 3703	Scope and Methods of Political Science	CPP
POS 4284	Judicial Process and Politics	3 hrs

5. Restricted Electives (27 hrs)

Select from the following courses: (3 hrs)

POS 4603	American Constitutional Law I or	3 hrs
POS 4604	American Constitutional Law II or	3 hrs
INR 4401	International Law	3 hrs

And, select one of the following options: (See 24 hrs Area courses list under Political Science)

Five courses from area A and	15 hrs
Two courses from area B and	6 hrs
One course from area C	3 hrs

OR (24 hrs)

Two courses from area A and	6 hrs
Five courses from area B and	15 hrs
One course from area C	3 hrs

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

■ Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

■ The following courses are not required, but serious students should consider taking these as free electives.

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
BUL 3130	Legal and Ethical Environment of Business	4 hrs
ENC 3241	Writing for the Technical Professional	3 hrs
ENC 3250	Professional Writing	3 hrs
LIN 4105	History of the English Language	3 hrs
MHF 3302	Logic and Proof in Mathematics	3 hrs
PHI 2101	Formal Logic I	3 hrs
PLA 3108	Legal Research	3 hrs
PLA 3155	Legal Writing	3 hrs
POS 4941	Political Science Internship	3 hrs

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Maintain a minimum GPA of 2.0 in the major

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs

- Economics
- History
- Philosophy
- Legal Studies
- Criminal Justice



Certificates

- Diplomacy

Related Minors

- Business
- Criminal Justice
- Diplomacy
- Economics
- English - Creative Writing
- English - Technical Communication
- History
- Human Communication
- Legal Studies
- Mass Communication
- Philosophy
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:

- POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.

- POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

- Prior to enrolling in Math, take Math Placement Test – <http://utc.sdes.ucf.edu>

- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 15 hrs

POS 2041	American National Government	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs
GEP-Math		3 hrs
ENC 1101	Composition I	3 hrs
GEP		3 hrs

Freshman Year - Spring 15 hrs

AMH 2020	U.S. History: 1877-Present	3 hrs
ENC 1102	Composition II	3 hrs
STA 2014C	Principles of Statistics	3 hrs
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Fall 16 hrs

Restricted Elective	3 hrs
Foreign Language	4 hrs
Supporting Elective	3 hrs
Supporting Elective	3 hrs
GEP	3 hrs

Sophomore Year - Spring 16 hrs

POS 3703	Scope and Methods of Political Science	3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs
Foreign Language		4 hrs
GEP		3 hrs

Junior Year - Fall 15 hrs

POS 4284	Judicial Process and Politics
Restricted Elective	
Restricted Elective	
Restricted Elective	
Supporting Elective	

Junior Year - Spring 14 hrs

Restricted Elective	3 hrs
Supporting Elective	4 hrs
Supporting Elective	4 hrs
Supporting Elective	3 hrs

Senior Year - Fall 15 hrs

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Supporting Elective	3 hrs
Supporting Elective	3 hrs
Supporting Elective	3 hrs

Senior Year - Spring 14 hrs

Supporting Elective	3 hrs
Supporting Elective	3 hrs
Supporting Elective	4 hrs
Supporting Elective	4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Psychology (B.S.)

College of Sciences

Department of Psychology,

Psychology Building, Room: 301

psychology.cos.ucf.edu

Email: psychadvising@ucf.edu

Phone: 407-823-2216

Contact: Psychology Advising Center, PSY 250, 407-823-2219

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog

- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department

- Students must earn at least a "C" (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses

- Co-op or internship credit cannot be used in this major without prior approval

- Students should consult with the Psychology Advising Center, prior to applying for graduation (before registration for the final term).

- Graduating seniors should complete the senior exit survey

- Additional requirements exist for students pursuing the Honors in the major program.

- All prerequisites of courses taught within the College of Sciences will be enforced.

- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

- Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36. See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

UCF Degree Programs

C: Mathematical Foundations		(6 hrs)
Math:		3 hrs
■ You may substitute a higher level math with appropriate scores on the Math Placement Test.		
Prefer	MAC 1105C College Algebra	3 hrs
Statistics:		3 hrs
Required	STA 2023 Statistical Methods I or	3 hrs
Required	STA 2014C Principles of Statistics	3 hrs
D: Social Foundations		(6 hrs)
Social Sciences:		3 hrs
Required	PSY 2012 General Psychology	3 hrs
Political Science/Economics		3 hrs
Select one of the listed choices		3 hrs
E: Science Foundations		(6 hrs)
Biology:		3 hrs
■ Select the advanced option if additional biology courses are planned.		
Required	BSC 1005 Biological Principles or	3 hrs
Required	BSC 2010C Biology I	4 hrs
Physical or Chemical:		3 hrs
Select one of the listed choices		3 hrs
2. Common Program Prerequisites (CPP)		(3 hrs)
■ See Transfer Notes for possible substitutes for the courses listed below.		
■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.		
Psychology:		
PSY 2012	General Psychology	GEP
DEP 2004C	Developmental Psychology	3 hrs
Biology:		
■ Select the advanced course if additional biology courses are planned.		
BSC 1005	Biological Principles or	GEP
BSC 2010C	Biology I	GEP
Statistics:		
STA 2014C	Principles of Statistics or	GEP
STA 2023	Statistical Methods I	GEP
3. Core Requirements: Basic Level		
■ Most courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.		
Psychology:		
PSY 2012	General Psychology	GEP
Biology:		
BSC 1005	Biological Principles or	GEP
BSC 2010C	Biology I	GEP
Statistics:		
STA 2014C	Principles of Statistics or	GEP
STA 2023	Statistical Methods I	GEP
4. Core Requirements: Advanced Level		(18 hrs)
PSY 2023	Careers in Psychology	2 hrs
PSY 3204C	Statistical Methods in Psychology	4 hrs
PSY 3213C	Research Methods in Psychology	5 hrs
PSB 3002	Physiological Psychology	3 hrs
PSY 4604	History and Systems of Psychology	3 hrs
PSY 4049	Psychology Capstone	1 hr
5. Restricted Electives		(33 hrs)
A. Experimental: Select from the following:		6 hrs
EXP 3404C	Basic Learning Processes or	3 hrs
EXP 3204C	Perception or	4 hrs
EXP 3604C	Cognitive Psychology or	4 hrs
PSB 4240C	Neuropsychology or	4 hrs
PSY 4215C	Advanced Research Methods in Psychology or	4 hrs
EXP 3640	Psychology of Language	3 hrs
B. Personality/Social: Select from the following:		3 hrs
PPE 3003	Personality Theory and Research or	3 hrs
SOP 3004C	Social Psychology	3 hrs

C. Developmental: Select from the following:		3 hrs
DEP 2004C	Developmental Psychology or	3 hrs
DEP 3202	Psychology of Exceptional Children or	3 hrs
DEP 3464	Psychology of Aging	3 hrs

D. Diversity: Select from the following:		3 hrs
CLP 3184	Women's Mental Health or	3 hrs
SOP 3742	Psychology of Women or	3 hrs
SOP 3723	Cross Cultural Psychology or	3 hrs
SOP 3724	Psychology of Prejudice or	3 hrs
SOP 3784	Psychology of Diversity	3 hrs

E. Applied: Select from the following:		3 hrs
INP 3302	Clinical Psychology or	3 hrs
EXP 3250	Principles of Human Factors Psychology or	3 hrs
INP 3004	Industrial/Organizational Psychology	3 hrs

F. Psychology Electives		9 hrs
■ Select additional courses from those taught by the Psychology department		
■ NOTE: The following courses will NOT fulfill this requirement.		
INP 3141C	Advanced Applied Psychology or	1 hr
INP 3951	Industrial/Organizational Field Work or	3 hrs
PSY 3905	Directed Independent Study or	1 hr
PSY 4906	Directed Independent Study or	1 hr
PSY 4912	Directed Independent Research	1 hr

G. Math/Science Electives: Select from the following:		6 hrs

■ Students must meet the course prerequisites for any course they select. See course listing for prerequisites		
ANT 3541	Biobehavioral Anthropology or	3 hrs
ANT 3550C	Primatology or	3 hrs
PSC 1121	Physical Science or	3 hrs
PHY 2053C	College Physics I or	4 hrs
CHM 1020	Concepts in Chemistry or	3 hrs
COP 3223	Introduction to Programming with C or	3 hrs
COP 3502C	Computer Science I or	3 hrs
COP 3503C	Computer Science II or	3 hrs
MAC 2233	Concepts of Calculus or	3 hrs
MAC 2253	Applied Calculus or	3 hrs
PCB 3703C	Human Physiology or	4 hrs
STA 4102	Computer Processing of Statistical Data or	3 hrs
STA 4163	Statistical Methods II or	3 hrs
STA 4164	Statistical Methods III or	3 hrs
BSC 1050	Biology and Environment or	3 hrs
BSC 2011C	Biology II or	4 hrs
BSC 4312C	Advanced Marine Biology or	4 hrs
PCB 3063	Genetics or	3 hrs
ENV XXXX	Any ENV prefix course or	3 hrs
GEO XXXX	Any GEO prefix course or	3 hrs
MCB XXXX	Any MCB prefix course or	3 hrs
ZOO XXXX	Any ZOO prefix course	3 hrs

6. Capstone Requirements		
PSY 4049	Psychology Capstone	1 hr

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each course used to satisfy the CPP, core requirements, restricted electives and science electives (sections 2-5).
- Maintain a minimum overall psychology GPA of 2.0.



12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

Additional Requirements: 6 hrs

- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Apply and be accepted into the program through the department.
- Fulfill University requirements for Honors in the Major.
- Earn an overall UCF GPA above 3.2.
- All grades in Psychology courses must be a "B" (3.0) or higher.
- Have a Psychology GPA above 3.5, based on at least

11 credits, including the following course.

PSY 3213C	Research Methods in Psychology	5 hrs
PSY 4903H	Honors Directed Reading I	3 hrs
PSY 4970H	Undergraduate Honors Thesis	3 hrs

Related Programs

- Sociology
- Anthropology
- Statistics
- Criminal Justice

Certificates

- Behavioral Forensics

Related Minors

- Psychology
- Sociology
- Anthropology
- Mathematics
- Statistics

Advising Notes

- Visit the Psychology Advising Center (PSY 250); walk-in advising available Monday and Friday from 9 to 5.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
- Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, the advanced course is a prerequisite for some courses.
- Statistics; any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
- DEP 2004C; any lower level psychology course will fulfill the CPP. However, since this course satisfies the CPP as well as psychology restricted elective 5C, students are advised to select it to satisfy their CPP.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall		15 hrs
PSY 2012	General Psychology	3 hrs
ENC 1101	Composition I	3 hrs
GEP-Math		3 hrs
GEP		3 hrs
GEP		3 hrs

Freshman Year - Spring		15 hrs
Biology		3 hrs
Statistics		3 hrs
ENC 1102	Composition II	3 hrs
GEP		3 hrs
Psychology Cornerstone		2 hrs

Sophomore Year - Fall		16 hrs
DEP 2004C	Developmental Psychology	3 hrs
Restricted Elective		3 hrs
GEP		3 hrs
GEP		3 hrs
Foreign Language		4 hrs

Sophomore Year - Spring		15 hrs
Restricted Elective		4 hrs
Restricted Elective		4 hrs
Foreign Language		4 hrs
GEP		3 hrs

Junior Year - Fall		16 hrs
PSB 3002	Physiological Psychology	3 hrs
PSY 3204C	Statistical Methods in Psychology	4 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Elective / Minor		3 hrs

Junior Year - Spring		15 hrs
PSY 3213C	Research Methods in Psychology	5 hrs
Elective / Minor		3 hrs
Restricted Elective		4 hrs
Restricted Elective		3 hrs

Senior Year - Fall		13 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Psychology Capstone		1 hr
Elective / Minor		3 hrs
Elective / Minor		3 hrs

Senior Year - Spring		15 hrs
PSY 4604	History and Systems of Psychology	3 hrs
Elective / Minor		3 hrs
Restricted Elective		3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$13.00 per term
- Full-Time Student: \$26 per term

Public Administration (B.A./B.S.)

College of Health and Public Affairs

School of Public Administration,

Health & Public Affairs II, Room: 238

<http://www.cohpa.ucf.edu/pubadm/>

Dr. Michael Abels, pa/ba/bs@mail.ucf.edu

Phone: 407-823-2604

Admission Requirements

- None

UCF Degree Programs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor on a regular basis.
- Students must earn at least a "C" (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a "C" (2.0).
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Suggested	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required	CGS 1060C	Introduction to Computers	3 hrs

Select 1: (3 hrs)

Suggested	MAC 1105C	College Algebra or	3 hrs
Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

D: Social Foundations (6 hrs)

Suggested	POS 2041	American National Government	3 hrs

Select 1: (3 hrs)

Suggested	PSY 2012	General Psychology or	3 hrs
Suggested	SYG 2000	Introduction to Sociology or	3 hrs
Suggested	ANT 2000	General Anthropology	3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

- See "Common Prerequisites" in the Transfer and Transition Services section

ECO 2013	Principles of Macroeconomics	3 hrs
CGS 1060C	Introduction to Computers	GEP
POS 2041	American National Government	GEP

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (21 hrs)

PAD 3003	Public Administration in American Society	3 hrs
PAD 4034	The Administration of Public Policy	3 hrs
PAD 3733	Professional Administrative Writing in the Public Sector	3 hrs
PAD 4104	Administrative Theory	3 hrs
PAD 4204	Fiscal Management	3 hrs
PAD 4414	Human Resource Administration	3 hrs
PAD 4720	Survey Research in Public Administration	3 hrs

B.A./B.S. Option (6 hrs)

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.

- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. Restricted Electives (39 hrs)

Public Administration electives are required as follows:

- PAD majors must complete at least 21 hrs. of PAD prefixed electives at the 3000 level or higher.
- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).

- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.

- Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement.

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- The students must attain a minimum grade of "C" (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).

- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Accounting
- Computer Science
- Criminal Justice
- Economics
- Health Services Administration
- Human Communication
- Legal Studies
- Management
- Political Science
- Social Work

Certificates

- Nonprofit Management

Related Minors

- Business
- Economics
- Political Science
- Legal Studies
- Criminal Justice
- Urban and Regional Planning
- Emergency Management and Homeland Security
- Nonprofit Management/National Certification in Nonprofit Management

Advising Notes

- None

Transfer Notes

- Intro to Computer Science (CGS 1060C) or any Computer Science course (3 credits)



- Economics I (ECO 2013) or any Macroeconomics course (3 credits)
- American National Government (POS 2041) or any course in American National Government (3 credits)

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- *This can be taken in any of the following combinations: 6 hrs of PAD Internship; 6 hrs of PAD Electives; or 3 hrs of PAD Internship and 3 hrs of PAD Electives

Freshman Year - Fall	14 hrs
ENC 1101 Composition I	3 hrs
CGS 1060C Introduction to Computers	3 hrs
POS 2041 American National Government	3 hrs
PAF 2102 Public Affairs Careers	2 hrs

Select 1:	3 hrs
ARH 2050 History of Western Art I or	3 hrs
ARH 2051 History of Western Art II or	3 hrs
MUL 2010 Enjoyment of Music or	3 hrs
REL 2300 World Religions or	3 hrs
PHI 2010 Introduction to Philosophy or	3 hrs
THE 2000 Theatre Survey or	3 hrs
LIT 2110 World Literature I or	3 hrs
LIT 2120 World Literature II	3 hrs

Freshman Year - Spring	15 hrs
ENC 1102 Composition II	3 hrs
MGF 1106 Finite Mathematics	3 hrs

Select 1:	3 hrs
PSY 2012 General Psychology or	3 hrs
SYG 2000 Introduction to Sociology or	3 hrs
ANT 2000 General Anthropology	3 hrs

Select 1:	3 hrs
CHM 1020 Concepts in Chemistry or	3 hrs
PSC 1121 Physical Science or	3 hrs
AST 2002 Astronomy or	3 hrs
Free Elective	3 hrs

Sophomore Year - Fall	15 hrs
SPC 1608 Fundamentals of Oral Communication	3 hrs
ECO 2013 Principles of Macroeconomics	3 hrs

Select 1:	3 hrs
EUH 2000 Western Civilization I or	3 hrs
HUM 2210 Humanistic Tradition I or	3 hrs
AMH 2010 U.S. History: 1492-1877 or	3 hrs
WOH 2012 World Civilization I	3 hrs

Select 1:	3 hrs
BSC 1005 Biological Principles or	3 hrs
MCB 1310 Introduction to Biotechnology and Genetic Engineering or	3 hrs

GLY 1030 Geology and its Applications or	3 hrs
GEO 1200 Physical Geography or	3 hrs
ANT 2511 The Human Species or	3 hrs
Free Elective	3 hrs

Sophomore Year - Spring	15 hrs
PAD 3003 Public Administration in American Society	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs
PAD 3733 Professional Administrative Writing in the Public Sector	3 hrs

Select 1:	3 hrs
AMH 2020 U.S. History: 1877-Present or	3 hrs
EUH 2001 Western Civilization II or	3 hrs
HUM 2230 Humanistic Tradition II or	3 hrs
WOH 2022 World Civilization II	3 hrs

Junior Year - Fall	15 hrs
PAD 4104 Administrative Theory	3 hrs
PAD 4414 Human Resource Administration	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Foreign Language I or BS option	3 hrs

Junior Year - Spring	15 hrs
PAD 4034 The Administration of Public Policy	3 hrs
PAD 4204 Fiscal Management	3 hrs
PAD 4720 Survey Research in Public Administration	3 hrs
Restricted Elective	3 hrs
Foreign Language II or BS option	3 hrs

Senior Year - Fall	15 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Upper Division Elective	3 hrs
Upper Division Elective	3 hrs
Upper Division Elective	3 hrs

Senior Year - Spring	15 hrs
Restricted Elective	3 hrs
Upper Division Elective	3 hrs
Upper Division Elective	3 hrs
Upper Division Elective	3 hrs
Restricted elective or PAD Internship	3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecas.ucf.edu/alc/academic_learning_compacts.htm

Radio - Television (B.A.)

College of Sciences

Nicholson School of Communication, NSC, Room: 143

<http://communication.cos.ucf.edu/>

Email: radiotv@ucf.edu

Dr. Tim Brown, Area Coordinator, timbrown@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements

- Students should apply to become Radio-Television majors only after completing all requirements for admission.
- Attain an overall minimum 2.25/4.00 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
- Receive a positive evaluation of other factors specified by the Nicholson School of Communication.
- See an NSC advisor for additional admission criteria.
- Meet a grammar proficiency standard ("B" grades or better in the following courses or pass the grammar proficiency exam).

ENC 1101 Composition I	3 hrs
ENC 1102 Composition II	3 hrs

Application Deadlines:

- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

Degree Requirements

- Students who change degree programs (other than from Radio-TV Pending) and select this major must adopt the most current catalog.
- Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor's approval.
- Internship credit may be used in this major with prior school permission.
- Co-op credit may be used in this major with prior approval from an R-TV advisor.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

UCF Degree Programs

■ Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.

■ Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).

■ To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.

■ Radio-TV majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.

■ Students seeking to change tracks once accepted into the major, must re-apply to the R-TV major under the new, desired track.

■ A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.

■ A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during "C" term only.

■ All prerequisites of courses taught within the College of Sciences will be enforced.

■ Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

Select 1: (3 hrs)

Required	SPC 1608	Fundamentals of Oral Communication or	3 hrs
Required	SPC 1603C	Fundamentals of Technical Presentations	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Select a third course from GEP B2			3 hrs

C: Mathematical Foundations (6 hrs)

Math: (3 hrs)

■ You may substitute a higher level math with appropriate scores on the Math Placement Test.

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

Computer Science: (3 hrs)

Required	CGS 2100C	Computer Fundamentals for Business	3 hrs

D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Select a listed course			3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (15 hrs)

■ These courses may be taken before applying to the major.

MMC 3200	Mass Communication Law	3 hrs
MMC 3420	Mass Media Research Methods	3 hrs
RTV 3007	Development and Structure of Electronic Media and New Technology	3 hrs
RTV 3200	Production Fundamentals and Aesthetics of Electronic Media	3 hrs
RTV 4403	Electronic Media, Technology, and Society	3 hrs

Select 1:

SPC 1603C	Fundamentals of Technical Presentations	GEP
SPC 1608	Fundamentals of Oral Communication	GEP

Select 1:

CGS 2100C	Computer Fundamentals for Business or	GEP
CGS 2585C	Desktop/Internet Publishing or	3 hrs
CGS 3175	Internet Applications	3 hrs

4. Core Requirements: Advanced Level (3 hrs)

■ These courses are only available to students who have been accepted into the major.

RTV 2102	Writing for the Electronic Media	3 hrs

5. Restricted Electives

■ Specialization: Select one area and complete the credit hours required by that specialization.

A. Production (18 hrs)

Select from the following: (18 hrs)

RTV 3210C	Audio Production I or	3 hrs
RTV 3228C	Studio Television Production or	4 hrs
RTV 3223C	Lighting for Video or	3 hrs
RTV 3260C	Single Camera Video Production and Editing or	4 hrs
RTV 3263C	Advanced Video Post-Production or	3 hrs
RTV 3283C	Production of Interactive Multimedia or	3 hrs
RTV 4211C	Audio Production II or	3 hrs
RTV 4280C	Webcasting I or	3 hrs
RTV 4281C	Webcasting II or	3 hrs
RTV 4206C	Television Directing or	3 hrs
RTV 4271C	Radio Production and Programming or	3 hrs
¹ RTV 3942L	Practicum or	1 hr
¹ RTV 4941	Internship	1 hr

¹ May be taken for a maximum of 3 hours.

B. Broadcast Journalism (22 hrs)

Complete all of the following: (17 hrs)

MMC 4602	Contemporary Media Issues and	3 hrs
RTV 3260C	Single Camera Video Production and Editing and	4 hrs
RTV 3301	Electronic Journalism I and	3 hrs
RTV 3304	Electronic Journalism II and	3 hrs
RTV 4320C	Television News	4 hrs

Select from the following: (5 hrs)

JOU 3004	History of American Journalism or	3 hrs
JOU 3015	Principles of Journalism or	3 hrs
RTV 3234C	Broadcast Announcing and Performance or	3 hrs
RTV 3283C	Production of Interactive Multimedia or	3 hrs
RTV 4322C	Advanced TV News or	3 hrs
RTV 4700	Regulation of Broadcasting or	3 hrs
¹ RTV 4906	Directed Independent Study or	1 hr
¹ RTV 4941	Internship	1 hr

¹ May be taken for a maximum of 3 hours.

C. Broadcast Generalist (18 hrs)

Select from the following: (12 hrs)

ADV 4103	Radio-Television Advertising or	3 hrs
JOU 3015	Principles of Journalism or	3 hrs
COM 3330	Computer Mediated Communication or	3 hrs
MMC 4263	New Media Technologies or	3 hrs
RTV 3234C	Broadcast Announcing and Performance or	3 hrs
RTV 3283C	Production of Interactive Multimedia or	3 hrs
RTV 4271C	Radio Production and Programming or	3 hrs
RTV 4700	Regulation of Broadcasting or	3 hrs
RTV 4800	Broadcast Management or	3 hrs
¹ RTV 4941	Internship	1 hr

Select from the following: (6 hrs)

ADV 3008	Principles of Advertising or	3 hrs
COM 3110	Business and Professional Communication or	3 hrs
MMC 3630	Social Media as Mass Communication or	3 hrs
ENC 3250	Professional Writing or	3 hrs
PUR 4000	Public Relations or	3 hrs
RTV 4503	Sports Programming in Electronic Media	3 hrs

¹ May be taken for a maximum of 3 hours.

6. Capstone Requirements

■ None



7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives

- Select primarily from upper level courses, with school advisor's approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements

- None

10. Required Minors

- Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.
- The following minors are suggested to complement the R-TV major, but any minor except those in the Nicholson School of Communication, may be taken:
 - Digital Media
 - Film - Cinema Studies
 - English - Writing
 - Political Science
 - Sociology
 - Theatre

11. Departmental Exit Requirements

- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve a "C" (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Advertising-Public Relations
- Digital Media
- Digital Media - Web Design Track
- Digital Media - Visual Language Track
- Film
- Journalism
- Theatre

Certificates

- None

Related Minors

- NOTE: Minors taught within the Nicholson School of Communication are not open to R-TV majors.
- Digital Media

- Film - Cinema Studies
- Marketing
- Theatre

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements.
- Consult a school advisor for alternate, new, or more appropriate selections.
- Consult the school for detailed plans of study for each specialization.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall	13 hrs
ENC 1101 Composition I	3 hrs
GEP-Math	3 hrs
GEP	3 hrs
Foreign Language	4 hrs

Freshman Year - Spring	13 hrs
ENC 1102 Composition II	3 hrs
SPC 1608 Fundamentals of Oral Communication	3 hrs
¹ CGS Computer Fundamentals for Business	3 hrs
2100C	
Foreign Language	4 hrs

¹ See alternatives

Sophomore Year - Fall	15 hrs
GEP	3 hrs
GEP	3 hrs
GEP	3 hrs
GEP	3 hrs
Elective-Minor	3 hrs

Sophomore Year - Spring	15 hrs
Apply for admission by Feb 1	
RTV 3007 Development and Structure of Electronic Media and New Technology	3 hrs
GEP	3 hrs
GEP	3 hrs
Elective-outside of NSC	3 hrs
Elective-minor	3 hrs

Junior Year - Fall	15 hrs
If admitted, take...	
RTV 3200 Production Fundamentals and Aesthetics of Electronic Media	3 hrs
RTV 2102 Writing for the Electronic Media	3 hrs
MMC 3200 Mass Communication Law	3 hrs
Elective-minor	3 hrs
Elective-outside of NSC	3 hrs

Junior Year - Spring	15 hrs
RTV 4403 Electronic Media, Technology, and Society	3 hrs
MMC 3420 Mass Media Research Methods	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Elective-Minor	3 hrs

Junior Year - Summer	3 hrs
Restricted Elective-Internship	3 hrs

Senior Year - Fall	15 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Elective-Minor	3 hrs
Elective-outside of NSC	3 hrs
Elective-outside of NSC	3 hrs

UCF Degree Programs

Senior Year - Spring	16 hrs
Restricted Elective	3 hrs
Restricted Elective, or	
-Elective-Outside of NSC	4 hrs
Elective-Minor	3 hrs
Elective-Minor	3 hrs
Elective-outside of NSC	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Real Estate (B.S.B.A.)

College of Business Administration

Dr. P. Phillips School of Real Estate,

Business Administration I, Room: 427

Students seeking advising will need to go to BA 2 room 101.

<http://web.bus.ucf.edu/realestate/>

Phone: 407-823-3575

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

■ Completion of the UCF General Education Program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.

■ See Common Program Prerequisites

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.

■ Final exams will be given during exam week.

■ Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

■ A maximum of 6 hours of required or elective coursework (from required courses and restricted electives below) can count toward another major or minor degree program.

■ Students majoring in Real Estate must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the minor.

■ Students must earn at least a 2.0 GPA in the major and CBA.

■ Students wanting to major in real estate must apply for admission to the major.

■ Students in the real estate major must maintain a 2.0 or higher cumulative grade point average in all 3000 level or higher finance or real estate courses taken at UCF. Failure to maintain the required 2.0 GPA will result in the student being placed on lack of progress in the major. Lack of progress in the major will continue until such time as the student's cumulative GPA in all finance and real estate courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in finance and real estate courses in the subsequent term, that student will be dropped as a real estate major. A student who is dropped may seek re-admittance as a real estate major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a finance and real estate GPA of 2.0 or higher. Readmission is not automatic.

1. UCF General Education Program (GEP)	(36 hrs)
A: Communication Foundations	(9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations	(9 hrs)

C: Mathematical Foundations	(6 hrs)
Required CGS 2100C Computer Fundamentals for Business	3 hrs

Prefer MAC 1105C College Algebra	3 hrs

D: Social Foundations	(6 hrs)

Select 1:	3 hrs

Suggested ECO 2013 Principles of Macroeconomics	3 hrs

Suggested ECO 2023 Principles of Microeconomics	3 hrs

Select 1:	3 hrs

Suggested PSY 2012 General Psychology or	3 hrs

Suggested SYG 2000 Introduction to Sociology or	3 hrs

Suggested ANT 2000 General Anthropology	3 hrs

E: Science Foundations	(6 hrs)

2. Common Program Prerequisites (CPP)	(18 hrs)

■ Must be completed with a "C" (2.0) or better.

■ See Common Prerequisites in the Transfer and Transition Services section for more information.

ACG 2021 Principles of Financial Accounting	3 hrs

ACG 2071 Principles of Managerial Accounting	3 hrs

ECO 2013 Principles of Macroeconomics	3 hrs

ECO 2023 Principles of Microeconomics	3 hrs

CGS 2100C Computer Fundamentals for Business	3 hrs

Select one of the following sequences of courses:

■ Students who have not completed MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401

ECO 3401 Quantitative Business Tools I	3 hrs

or

MAC 2233 Concepts of Calculus and	3 hrs

STA 2023 Statistical Methods I	3 hrs

3. Core Requirements: Basic Level	(32 hrs)

First or subsequent semester in the College of

Business Administration:

¹ GEB 3031 Cornerstone: Professional Skills for Business	3 hrs

GEB 3031L Cornerstone Lab: Professional Skills for Business	1 hr

GEB 3375 Introduction to International Business	4 hrs

BUL 3130 Legal and Ethical Environment of Business	4 hrs

ECO 3411 Quantitative Business Tools II	4 hrs

FIN 3403C Business Finance	4 hrs

MAN 3025 Management of Organizations	4 hrs

MAR 3023 Marketing	4 hrs

MAR 3203 Supply Chain and Operations Management	4 hrs

¹ Required in 1st or 2nd semester

4. Core Requirements: Advanced Level	(9 hrs)

FIN 2100 Personal Finance and Investments	3 hrs

REE 3043 Fundamentals of Real Estate	3 hrs

REE 3433 Real Estate Law	3 hrs

5. Restricted Electives	(15 hrs)

Select 5:

FIN 3414 Intermediate Corporate Finance	3 hrs

FIN 3504 Investment Analysis	3 hrs

MAR 3391 Professional Selling	3 hrs

REE 3614 Environmental Issues for Real Estate	3 hrs

REE 4103 Real Estate Appraisal and Valuation	3 hrs

REE 4203 Commercial Real Estate Finance	3 hrs

REE 4204 Residential Real Estate Finance	3 hrs

REE 4303 Real Estate Investment Analysis	3 hrs

REE 4732 Real Estate Development	3 hrs

¹ REE 4903H Honors Directed Readings I	1 hr

REE 4941 Internship	1 hr

¹ REE 4970H Undergraduate Honors Thesis	1 hr

REE 4933 Advanced Topics in Real Estate	3 hrs

¹ Must be accepted into the UCF Honors in the Major program. See <http://www.honors.ucf.edu/> for details.

6. Capstone Requirements (4 hrs)

MAN 4720	Strategic Management	4 hrs
■ This course should be taken in the graduating term and requires the following prerequisites:		
GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
MAR 3023	Marketing	4 hrs
MAN 3025	Management of Organizations	4 hrs
FIN 3403C	Business Finance	4 hrs

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ variable

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ None

Certificates

- Real Estate: Mortgage Brokerage
- Real Estate: Real Estate Appraisal
- Real Estate: Real Estate Brokerage

Related Minors

■ None

Advising Notes

■ Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take ECO 3401.

■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program.

■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (120 hrs)

■ Must complete nine hours in a summer semester

Freshman Year - Fall		15 hrs
ENC 1101	Composition I	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
MAC 1105C	College Algebra	3 hrs
Cult-Hist I		3 hrs
Elective		3 hrs

Freshman Year - Spring		15 hrs
ENC 1102	Composition II	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
Cult-Hist II		3 hrs
Art/Music/Lit		3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs

Sophomore Year - Fall		15 hrs
ACG 2021	Principles of Financial Accounting	3 hrs
Science		3 hrs
Psy/Soc/Ant		3 hrs
Elective		3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Sophomore Year - Spring		15 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
FIN 2100	Personal Finance and Investments	3 hrs
ECO 3401	Quantitative Business Tools I	3 hrs
Science		3 hrs
Elective		3 hrs

Junior Year - Fall		15 hrs
GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
REE 3043	Fundamentals of Real Estate	3 hrs
REE 3433	Real Estate Law	3 hrs
FIN 3403C	Business Finance	4 hrs

Junior Year - Spring		15 hrs
GEB 3375	Introduction to International Business	4 hrs
MAR 3023	Marketing	4 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
REE Elective		3 hrs

Senior Year - Fall		15 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3203	Supply Chain and Operations Management	4 hrs
BUL 3130	Legal and Ethical Environment of Business	4 hrs
REE Elective		3 hrs

Senior Year - Spring		16 hrs
MAN 4720	Strategic Management	4 hrs
REE Elective		3 hrs
REE Elective		3 hrs
REE Elective		3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

UCF Degree Programs

Equipment Fees

- Part-Time Student: \$15.00 per term
- Full-Time Student: \$30.00 per term

Religion and Cultural Studies (B.A.)

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

<http://philosophy.cah.ucf.edu/>

Email: religion@ucf.edu

Dr. Sabatino DiBernardo, sabatino.dibernardo@ucf.edu

Phone: 407-823-2273

Religion and Cultural Studies is a BA program designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religion and Cultural Studies may be simultaneously applied to fulfill another major.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required	HUM 2210	Humanistic Tradition I	3 hrs
Required	HUM 2230	Humanistic Tradition II	3 hrs
Required	REL 2300	World Religions	3 hrs

C: Mathematical Foundations (6 hrs)

Math (6 hrs)

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics or	3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers (3 hrs)

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level

HUM 2210	Humanistic Tradition I	GEP
HUM 2230	Humanistic Tradition II	GEP
REL 2300	World Religions	GEP

Studying Religion and Culture (3 hrs)

REL 2000	Introduction to Religious Studies	3 hrs

4. Core Requirements: Advanced Level (24 hrs)

Traditions (9 hrs)

- Must select at least one in each category

Abrahamic Traditions (3 hrs)

JST 3401	Jewish People in Antiquity or	3 hrs
REL 3403	Christianity or	3 hrs
REL 3363	Islam or	3 hrs
REL 3320	Moses, Jesus and Muhammad or	3 hrs
REL 3432	Roots of Western Mysticism	3 hrs

Asian and Indigenous Traditions (3 hrs)

ANT 3245	Native American Religions or	3 hrs
REL 3340	Buddhist Thought or	3 hrs
REL 3333	Hinduism or	3 hrs
REL 3123	Asian Religions in America	3 hrs

Theories and Methods (6 hrs)

- Must select one in each category

Religion (3 hrs)

REL 4157	Religion and Psychoanalysis or	3 hrs
PHI 3700	Philosophy of Religion or	3 hrs
PHI 3720	Faith and Reason or	3 hrs
REL 4936	Key Figures in Religion and Cultural Studies or	3 hrs
REL 4496	Key Concepts in Religion and Cultural Studies	3 hrs

Cultural Studies (3 hrs)

HUM 3805	Critical Theory in the Humanities or	3 hrs
HUM 3326	Theories of Sex and Gender in Humanities or	3 hrs
HUM 4459	American Cultural Studies in Humanities or	3 hrs
HUM 4823	Queer Theory in the Humanities or	3 hrs
HUM 4826	Postcolonial Theory or	3 hrs
PHH 3600	Contemporary Philosophy or	3 hrs
PHI 4804	Critical Theory	3 hrs

Religion in Culture (9 hrs)

- Must select three from the following:

REL 3101	Religion in Popular Culture	3 hrs
REL 3111	Religion and Philosophy Through Film	3 hrs
REL 3115	Religion, Spirituality, and Popular Music	3 hrs
REL 3130	Religion in America	3 hrs
REL 4110	Religion and the Arts	3 hrs
REL 4180	Religion and Medicine	3 hrs
PHI 3033	Philosophy, Religion, and the Environment	3 hrs
ANT 3241	Magic, Ritual, and Belief	3 hrs
POT 4632	Religion and Politics	3 hrs
SYO 4200	Religion in Society	3 hrs

5. Restricted Electives (6 hrs)

- Any two from Traditions, Theories and Methods, or Religion in Culture not being used to satisfy those categories can be used here.

- Note: Related courses may be substituted with consent of Religion and Cultural Studies adviser.

6. Capstone Requirements

REL 4910	Senior Research Seminar	3 hrs

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None



11. Departmental Exit Requirements

- Earn a "C" (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:

REL 4970H	Undergraduate Honors Thesis	3 hrs
REL 4910	Senior Research Seminar	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Students considering graduate school in Religion and Cultural Studies are strongly encouraged to take Honors in the Major.
- Requirements are as follows:

Core, Elective Requirements, and Senior Seminar

- Same requirement as for regular majors

Honors Thesis

REL 4903H	Honors Directed Readings I	3 hrs
REL 4970H	Undergraduate Honors Thesis	3 hrs

Additional Requirements

- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Religion and Cultural Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.
- Earn a "B" (3.0) or better in both of the following:

REL 4903H	Honors Directed Readings I	3 hrs
REL 4970H	Undergraduate Honors Thesis	3 hrs

Related Programs

- Interdisciplinary Studies
- Philosophy
- Humanities

Certificates

- None

Related Minors

- Humanities
- Judaic Studies
- Philosophy
- Religion and Cultural Studies

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall		16 hrs
ENC 1101	Composition I	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
REL 2300	World Religions	3 hrs
SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs

Freshman Year - Spring

ENC 1102	Composition II	3 hrs
HUM 2230	Humanistic Tradition II	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
Restricted Elective		3 hrs
SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs

Sophomore Year - Fall

GEP	3 hrs
GEP	3 hrs
GEP	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

Sophomore Year - Spring

GEP	3 hrs
GEP	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

Junior Year - Fall

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

Junior Year - Spring

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

Senior Year - Fall

Restricted Elective	3 hrs	
Restricted Elective	3 hrs	
Restricted Elective	3 hrs	
Restricted Elective	3 hrs	
REL 3340	Buddhist Thought	3 hrs

Senior Year - Spring

REL 4910	Senior Research Seminar	3 hrs
Restricted Elective	3 hrs	
Restricted Elective	3 hrs	
Restricted Elective	3 hrs	
Restricted Elective	3 hrs	

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Restaurant and Foodservice Management (B.S.)

Rosen College of Hospitality Management

Department of Food-services and Lodging,

9907 Universal Boulevard, Orlando, FL 32819

<http://www.hospitality.ucf.edu>

Email: hospitality@mail.ucf.edu

Dr. Joe Hutchinson, Department Chair

Dr. Abraham Pizam, Dean

Phone: 407-903-8000

Admission Requirements

- None

Degree Requirements

- None

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

UCF Degree Programs

C: Mathematical Foundations			(6 hrs)
Required	MAC 1105C	College Algebra	3 hrs
Select 1:			3 hrs
Required	CGS 2100C	Computer Fundamentals for Business or	3 hrs
Required	STA 2023	Statistical Methods I	3 hrs
D: Social Foundations			(6 hrs)
Select 1:			3 hrs
Required	ECO 2013	Principles of Macroeconomics or	3 hrs
Required	ECO 2023	Principles of Microeconomics	3 hrs
Select 1:			3 hrs
Required	PSY 2012	General Psychology or	3 hrs
Required	SYG 2000	Introduction to Sociology or	3 hrs
Required	ANT 2000	General Anthropology	3 hrs
E: Science Foundations			(6 hrs)
2. Common Program Prerequisites (CPP)			(3 hrs)
¹ HFT 1000	Introduction to the Hospitality and Tourism Industry		3 hrs
¹ See "Common Prerequisites" in the Transfer and Transitions section (pg. 46) for more information.			
3. Core Requirements: Basic Level			
MAC 1105C	College Algebra		GEP
Select 1:			3 hrs
CGS 2100C	Computer Fundamentals for Business or		GEP
STA 2023	Statistical Methods I		GEP
Select 1:			3 hrs
ECO 2013	Principles of Macroeconomics or		GEP
ECO 2023	Principles of Microeconomics		GEP
4. Core Requirements: Advanced Level			(55 hrs)
Hospitality Core Requirements			34 hrs
FSS 2221C	Techniques of Food Preparation		4 hrs
HFT 2401	Hospitality Industry Financial Accounting		3 hrs
HFT 2500	Hospitality and Tourism Marketing		3 hrs
HFT 2220	Hospitality Human Resources Management		3 hrs
HFT 3444	Hospitality Information Systems		3 hrs
HFT 3603	Legal Environment in the Hospitality and Tourism Industry		3 hrs
HFT 3431	Hospitality industry Managerial Accounting		3 hrs
HFT 3540	Guest Services Management I		3 hrs
HFT 4464	Hospitality Industry Finance		3 hrs
HFT 4286	Hospitality Communications		3 hrs
HFT 4295	Leadership and Strategic Management in Hospitality Industry		3 hrs
Internships			3 hrs
HFT 3940	Internship I		1 hr
HFT 4941	Internship II		1 hr
HFT 4944	Internship III		1 hr
Restaurant Management Core			18 hrs
FSS 3124	Supply and Procurement Management		3 hrs
HFT 3263	Restaurant Management		3 hrs
HFT 3574	Foodservice Marketing, Sales, and Distribution		3 hrs
HFT 4457	Food, Beverage, and Labor Cost Controls		3 hrs
HFT 4861C	Beverage Management		3 hrs
HFT 4844	Sanitation in the Food Service Industry		3 hrs
5. Restricted Electives			(15 hrs)
Select 5:			15 hrs
FSS 3008	Culture and Cuisine or		3 hrs
FSS 4135	Corporate Contract and Managed Services Organizations or		3 hrs
FSS 4286C	Catering and Banquet Organization or		3 hrs
HFT 3654	Franchising in the Restaurant Industry or		3 hrs
HFT 3868	History and Culture of Wine or		3 hrs
HFT 4266	Hospitality Brand Management or		3 hrs
HFT 4268	Case Studies in Restaurant Management or		3 hrs
HFT 4281	Restaurant Leadership Strategies and Tactics or		3 hrs
HFT 4343	Hospitality Facilities Management or		3 hrs

HFT 4864	Seminar in Quality Brewing and Fine Beer	3 hrs
	or	
HFT 4866C	Exploring Wines of the World or	3 hrs
HFT 4894	International Gastronomy or	3 hrs
HUN 3013	Nutrition Concepts and Issues in the Food Service Industry	3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

8. Electives

- 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements

- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF's Rosen College of Hospitality Management.
- Florida College System institution students are encouraged to complete general education requirements, prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Plan your required nine summer credit hours into your course of study.



Freshman Year - Fall		15 hrs
ENC 1101	Composition I	3 hrs
HFT 1000	Introduction to the Hospitality and Tourism Industry	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs

Select 1:		3 hrs
PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs

Freshman Year - Spring		15 hrs
ENC 1102	Composition II	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
FSS 2221C	Techniques of Food Preparation	4 hrs
MAC 1105C	College Algebra	3 hrs

Sophomore Year - Fall		15 hrs
HFT 2401	Hospitality Industry Financial Accounting	3 hrs
HFT 2220	Hospitality Human Resources Management	3 hrs
HFT 3263	Restaurant Management	3 hrs

Select 1:		3 hrs
ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Sophomore Year - Spring		15 hrs
HFT 2500	Hospitality and Tourism Marketing	3 hrs
HFT 3444	Hospitality Information Systems	3 hrs
FSS 3124	Supply and Procurement Management	3 hrs
ANT 2511	The Human Species	3 hrs

Junior Year - Fall		12 hrs
HFT 3540	Guest Services Management I	3 hrs
HFT 3431	Hospitality industry Managerial Accounting	3 hrs
HFT 3574	Foodservice Marketing, Sales, and Distribution	3 hrs
HFT 3603	Legal Environment in the Hospitality and Tourism Industry	3 hrs
HFT 3940	Internship I	1 hr

Junior Year - Spring		13 hrs
HFT 4457	Food, Beverage, and Labor Cost Controls	3 hrs
HFT 4844	Sanitation in the Food Service Industry	3 hrs
HFT 4861C	Beverage Management	3 hrs
HFT 4941	Internship II	1 hr

Senior Year - Fall		16 hrs
HFT 4286	Hospitality Communications	3 hrs
HFT 4944	Internship III	1 hr
HFT 4464	Hospitality Industry Finance	3 hrs

Senior Year - Spring		15 hrs
HFT 4295	Leadership and Strategic Management in Hospitality Industry	3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$37.50 per term
- Full-Time Student: \$75 per term

Science Education - Biology (B.S.)

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

<http://education.ucf.edu/science/>

Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862

Dr. Janet Andreasen, ED123Q, janet.andreasen@ucf.edu, 407-823-5430

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.

- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (38 hrs)

- Note: Students are advised to take the preferred courses.

A: Communication Foundations		(9 hrs)
Required	ENC 1101 Composition I	3 hrs
Required	ENC 1102 Composition II	3 hrs
Prefer	SPC 1608 Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations		(9 hrs)
Prefer	AMH 2010 U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020 U.S. History: 1877-Present	3 hrs
Prefer	PHI 2010 Introduction to Philosophy	3 hrs

C: Mathematical Foundations		(7 hrs)
Required	MAC 2311 Calculus with Analytic Geometry I	4 hrs

Select 1:

Prefer	STA 1063C Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C Principles of Statistics	3 hrs

D: Social Foundations		(6 hrs)
Prefer	POS 2041 American National Government	3 hrs
Prefer	PSY 2012 General Psychology	3 hrs

E: Science Foundations		(7 hrs)
¹ Required	PSC 1121 Physical Science	3 hrs
¹ Required	BSC 2010C Biology I	4 hrs

¹ A grade of "C-"(1.75) is required.

2. Common Program Prerequisites (CPP) (21 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
¹ EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
BSC 2010C	Biology I	GEP
MAC 2311C	Calculus with Analytic Geometry I	GEP
BSC 2011C	Biology II	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr

¹ In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (3 hrs)

- Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in this section with the permission of the department.

EDF 2130	Child and Adolescent Development for Educators	3 hrs
BSC 2010C	Biology I	GEP
BSC 2011C	Biology II	CPP
CHM 2045C	Chemistry Fundamentals I	CPP
PSC 1121	Physical Science	GEP

UCF Degree Programs

4. Core Requirements: Advanced Level (58 hrs)

Education Core Requirements 18 hrs

■ Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

EDF 4467	Learning Theory and Assessment	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

Internship I Block 7 hrs

■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicalexp/>

SCE 4360	Science Instructional Analysis	4 hrs
SCE 3940	Internship	3 hrs

Specialization Requirements 21 hrs

CHM 2205	Introduction to Organic and Biochemistry	5 hrs
CHM 2046	Chemistry Fundamentals II	CPP
CHM 2046L	Chemistry Fundamentals Laboratory	CPP
PCB 3044	Principles of Ecology	3 hrs
PCB 3044L	Principles of Ecology Laboratory	1 hr
MCB 3020C	General Microbiology	5 hrs
SCE 4361	Programs in Teaching Science	3 hrs

Select 1: 4 hrs

PCB 3703C	Human Physiology or	4 hrs
ZOO 3733C	Human Anatomy or	4 hrs
PCB 3063	Genetics & PCB 3063L Genetics Lab	4 hrs

Internship II 12 hrs

■ At least 80% of all required biology courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.

■ Passing score on the Subject Area Examination (Biology 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicalexp/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

SCE 4941	Internship	12 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (this requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

■ None

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (120 hrs)

■ Recommended Four Year Sequence of Courses

Freshman Year - Fall 12 hrs

AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
PSY 2012	General Psychology	3 hrs

Select 1:

STA 2014C	Principles of Statistics or	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs

Freshman Year - Spring 15 hrs

AMH 2020	U.S. History: 1877-Present	3 hrs
ENC 1102	Composition II	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs
PSC 1121	Physical Science	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

Freshman Year - Summer 6 hrs

POS 2041	American National Government	3 hrs
¹ EDF 2130	Child and Adolescent Development for Educators	3 hrs

¹ Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.



Sophomore Year - Fall		15 hrs
BSC 2010C	Biology I	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
EDF 2005	Introduction to the Teaching Profession	3 hrs

Sophomore Year - Spring		14 hrs
BSC 2011C	Biology II	4 hrs
EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr

Sophomore Year - Summer		3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

Junior Year - Fall		14 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
PCB 3044	Principles of Ecology	3 hrs
PCB 3044L	Principles of Ecology Laboratory	1 hr

Select one of the following sequences of courses:

PCB 3063	Genetics and	3 hrs
PCB 3063L	Genetics Laboratory	1 hr

or		
PCB 3703C	Human Physiology	4 hrs

or		
ZOO 3733C	Human Anatomy	4 hrs

Junior Year - Spring		13 hrs
MCB 3020C	General Microbiology	5 hrs
SCE 4361	Programs in Teaching Science	3 hrs
CHM 2205	Introduction to Organic and Biochemistry	5 hrs

Junior Year - Summer		3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs

Senior Year - Fall		13 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
SCE 3940	Internship	3 hrs
SCE 4360	Science Instructional Analysis	4 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs

Senior Year - Spring		12 hrs
SCE 4941	Internship	12 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$12 per term
- Full-Time Student: \$24 per term

Science Education - Chemistry (B.S.)

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

<http://education.ucf.edu/science/>

Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen, 407-823-5430

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA

- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)

- Note: Students are advised to take the preferred courses.

A: Communication Foundations		(9 hrs)
Required	ENC 1101 Composition I	3 hrs
Required	ENC 1102 Composition II	3 hrs
Prefer	SPC 1608 Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations		(9 hrs)
Prefer	AMH 2010 U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020 U.S. History: 1877-Present	3 hrs
Prefer	PHI 2010 Introduction to Philosophy	3 hrs

C: Mathematical Foundations		(6 hrs)
Required	MAC 1114C College Trigonometry	3 hrs

Select 1: (3 hrs)

Prefer	STA 1063C Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C Principles of Statistics	3 hrs

D: Social Foundations		(6 hrs)
Prefer	POS 2041 American National Government	3 hrs
Prefer	PSY 2012 General Psychology	3 hrs

E: Science Foundations		(7 hrs)
¹ Required	BSC 2010C Biology I	4 hrs
¹ Required	PSC 1121 Physical Science	3 hrs

¹ A grade of "C-" (1.75) or better is required.

2. Common Program Prerequisites (CPP) (21 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
¹ EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
PHY 2053C	College Physics I	4 hrs

¹ In addition, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (4 hrs)

- Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in this section with the permission of the department.

EDF 2130	Child and Adolescent Development for Educators	3 hrs
CHM 2045C	Chemistry Fundamentals I	CPP
PSC 1121	Physical Science	GEP
PSC 1121L	Physical Science Lab	1 hr
BSC 2010C	Biology I	GEP
MAC 1114C	College Trigonometry	GEP



UCF Degree Programs

4. Core Requirements: Advanced Level (58 hrs)

Education Core Requirements 18 hrs

■ Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

EDF 4467	Learning Theory and Assessment	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

Internship I Block 7 hrs

■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicalexp/>

SCE 4360	Science Instructional Analysis	4 hrs
SCE 3940	Internship	3 hrs

Specialization Requirements 21 hrs

CHM 2046	Chemistry Fundamentals II	CPP
CHM 2046L	Chemistry Fundamentals Laboratory	CPP
PHY 2053C	College Physics I	CPP
CHM 3120	Analytical Chemistry	3 hrs
CHM 3120L	Analytical Chemistry Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
CHS 3501	Introduction to Forensic Science	3 hrs
BCH 4053	Biochemistry I	3 hrs
SCE 4361	Programs in Teaching Science	3 hrs

Internship II 12 hrs

■ At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Passing score on the Subject Area Examination (Chemistry 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicalexp/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

SCE 4941	Internship	12 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

■ None

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (120 hrs)

■ Recommended Four Year Sequence of Courses

Freshman Year - Fall 13 hrs

AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
PSC 1121	Physical Science	3 hrs
PSC 1121L	Physical Science Lab	1 hr
PSY 2012	General Psychology	3 hrs

Freshman Year - Spring 12 hrs

ENC 1102	Composition II	3 hrs
MAC 1114C	College Trigonometry	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs

Freshman Year - Summer 6 hrs

POS 2041	American National Government	3 hrs

Select 1: 3 hrs

STA 2014C	Principles of Statistics or	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs



Sophomore Year - Fall			14 hrs
EDF 2005	Introduction to the Teaching Profession		3 hrs
BSC 2010C	Biology I		4 hrs
CHM 2045C	Chemistry Fundamentals I		4 hrs
SPC 1608	Fundamentals of Oral Communication		3 hrs

Sophomore Year - Spring			13 hrs
CHM 2046	Chemistry Fundamentals II		3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory		1 hr
EDF 2085	Introduction to Diversity for Educators		3 hrs
EME 2040	Introduction to Technology for Educators		3 hrs
¹ EDF 2130	Child and Adolescent Development for Educators		3 hrs

¹ Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Summer			4 hrs
PHY 2053C	College Physics I		4 hrs

Junior Year - Fall			16 hrs
EDF 4467	Learning Theory and Assessment		3 hrs
EDG 4410	Teaching Strategies and Classroom Management		3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings		3 hrs
CHM 2210	Organic Chemistry I		3 hrs
CHM 3120	Analytical Chemistry		3 hrs
CHM 3120L	Analytical Chemistry Laboratory		1 hr

Junior Year - Spring			14 hrs
CHM 2211	Organic Chemistry II		3 hrs
CHM 2211L	Organic Laboratory Techniques I		2 hrs
CHS 3501	Introduction to Forensic Science		3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12		3 hrs
SCE 4361	Programs in Teaching Science		3 hrs

Junior Year - Summer			3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools		3 hrs

Senior Year - Fall			13 hrs
BCH 4053	Biochemistry I		3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools		3 hrs
SCE 3940	Internship		3 hrs
SCE 4360	Science Instructional Analysis		4 hrs

Senior Year - Spring			12 hrs
SCE 4941	Internship		12 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$12 per term
- Full-Time Student: \$24 per term

Science Education - Physics (B.S.)

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

<http://education.ucf.edu/science/>

Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)

- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (38 hrs)

- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	PHI 2010	Introduction to Philosophy	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs

C: Mathematical Foundations (7 hrs)

Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs

Select 1: (3 hrs)

Prefer	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

E: Science Foundations (7 hrs)

¹ Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs

Select 1: (3 hrs)

²	ANT 2511	The Human Species or	3 hrs
Prefer			
¹	BSC 1005	Biological Principles	3 hrs
Prefer			

¹ A grade of "C-" (1.75) or better is required.

² A grade of "C-" (1.75) or better is required.

2. Common Program Prerequisites (CPP) (29 hrs)

- See "Common Prerequisites" in the Transfer and Transition Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
¹ EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
MAC 2311C	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr

¹ In addition, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (3 hrs)

EDF 2130	Child and Adolescent Development for Educators	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
MAC 2311C	Calculus with Analytic Geometry I	GEP



UCF Degree Programs

4. Core Requirements: Advanced Level (66 hrs)

Education Core Requirements 18 hrs

■ Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

EDF 4467	Learning Theory and Assessment	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

Internship I Block 7 hrs

■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicaexp/>

SCE 4360	Science Instructional Analysis	4 hrs
SCE 3940	Internship	3 hrs

Specialization Requirements 13 hrs

CHM 2045C	Chemistry Fundamentals I	CPP
CHM 2046	Chemistry Fundamentals II	CPP
CHM 2046L	Chemistry Fundamentals Laboratory	CPP
MAC 2312	Calculus with Analytic Geometry II	CPP
MAC 2313	Calculus with Analytic Geometry III	CPP
PHY 2049C	Physics for Engineers and Scientists II	CPP
PHY 3101	Physics for Engineers and Scientists III	3 hrs
SCE 4361	Programs in Teaching Science	3 hrs
Elective: 3000 or 4000 level PHY or PHZ prefix		4 hrs

Select 1: 3 hrs

PHY 3752C	Physics of Scientific Instruments or	3 hrs
PHY 3722C	Physics Laboratory-Electronics	3 hrs

Internship II 12 hrs

■ At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Passing score on the Subject Area Examination (Physics 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicaexp/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.006.

SCE 4941	Internship	12 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

■ None

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (120 hrs)

Freshman Year - Fall 15 hrs

AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
PSY 2012	General Psychology	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

Select 1: 3 hrs

STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
STA 2014C	Principles of Statistics	3 hrs

Freshman Year - Spring 16 hrs

AMH 2020	U.S. History: 1877-Present	3 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
ENC 1102	Composition II	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs
POS 2041	American National Government	3 hrs



Freshman Year - Summer		7 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
¹ EDF 2005	Introduction to the Teaching Profession	3 hrs

¹ Transfer notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Fall		14 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
EDF 2085	Introduction to Diversity for Educators	3 hrs

Select 1:		3 hrs
ANT 2511	The Human Species or	3 hrs
BSC 1005	Biological Principles	3 hrs

Sophomore Year - Spring		14 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
EDF 2130	Child and Adolescent Development for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

Sophomore Year - Summer		4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr

Junior Year - Fall		12 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
PHY 3101	Physics for Engineers and Scientists III	3 hrs

Junior Year - Spring		13 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
SCE 4361	Programs in Teaching Science	3 hrs
PHY or PHZ 3000 or 4000 level elective		4 hrs

Senior Year - Fall		13 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
SCE 3940	Internship	3 hrs
SCE 4360	Science Instructional Analysis	4 hrs

Select 1:		3 hrs
PHY 3752C	Physics of Scientific Instruments or	3 hrs
PHY 3722C	Physics Laboratory-Electronics	3 hrs

Senior Year - Spring		12 hrs
SCE 4941	Internship	12 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$12 per term
- Full-Time Student: \$24 per term

Social Science Education (B.S.)

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

<http://education.ucf.edu/ssed/>

Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

Admission Requirements

■ Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.

- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)

- Students are advised to take preferred courses.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Required	AMH 2010	U.S. History: 1492-1877	3 hrs
Required	AMH 2020	U.S. History: 1877-Present	3 hrs
Prefer	PHI 2010	Introduction to Philosophy	3 hrs

C: Mathematical Foundations (6 hrs)

Select 1: (3 hrs)

Prefer	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

Select 1: (3 hrs)

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

D: Social Foundations (6 hrs)

Required	POS 2041	American National Government	3 hrs
Required	PSY 2012	General Psychology	3 hrs

E: Science Foundations (6 hrs)

Prefer	PSC 1121	Physical Science	3 hrs

Select 1: (3 hrs)

Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
¹ EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
AMH 2010	U.S. History: 1492-1877	GEP
AMH 2020	U.S. History: 1877-Present	GEP
POS 2041	American National Government	GEP
PSY 2012	General Psychology	GEP

¹ In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (9 hrs)

- Student should consult advisor regarding course options.

¹ EDF 2130	Child and Adolescent Development for Educators	3 hrs
SYG 2000	Introduction to Sociology	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs

¹ Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.



UCF Degree Programs

4. Core Requirements: Advanced Level (66 hrs) Education Core Requirements 18 hrs

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

■ Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs

Internship I Block 6 hrs

■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicalexp/>

SSE 4361	Social Science Instructional Analysis	3 hrs
SSE 3940	Internship	3 hrs

Specialization Requirements 30 hrs

GEO 3471	World Political Geography	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs
EUH 2000	Western Civilization I	3 hrs
EUH 2001	Western Civilization II	3 hrs
AMH 2010	U.S. History: 1492-1877	GEP
AMH 2020	U.S. History: 1877-Present	GEP
POS 2041	American National Government	GEP
PSY 2012	General Psychology	GEP
SSE 4936	Programs in Teaching Social Science	3 hrs
Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX)		3 hrs
Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX)		3 hrs
Upper Division American History Elective (AMH prefix courses 3/4XXX)		3 hrs
Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX)		6 hrs

Internship II 12 hrs

■ At least 80% of all required social science courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Passing score on the Subject Area Examination (Social Science 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicalexp/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

SSE 4941 Internship 12 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

■ None

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study (120 hrs)

Freshman Year - Fall 12 hrs

AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
PSY 2012	General Psychology	3 hrs

Freshman Year - Spring 12 hrs

AMH 2020	U.S. History: 1877-Present	3 hrs
ENC 1102	Composition II	3 hrs
POS 2041	American National Government	3 hrs

Select 1: 3 hrs

ANT 2511	The Human Species or	3 hrs
BSC 1005	Biological Principles	3 hrs



Freshman Year - Summer		6 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs

Sophomore Year - Fall		15 hrs
EDF 2005	Introduction to the Teaching Profession	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
PSC 1121	Physical Science	3 hrs
SYG 2000	Introduction to Sociology	3 hrs

Select 1:		3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
STA 2014C	Principles of Statistics	3 hrs

Sophomore Year - Spring		12 hrs
ECO 2023	Principles of Microeconomics	3 hrs
EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
¹ EDF 2130	Child and Adolescent Development for Educators	3 hrs

¹ Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Summer		9 hrs
EUH 2000	Western Civilization I	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
	Political Science Elective (CPO, INR, POS 3/4XXX)	3 hrs

Junior Year - Fall		15 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
SSE 4936	Programs in Teaching Social Science	3 hrs
EUH 2001	Western Civilization II	3 hrs
Upper Division	Non-Western History Elective (AFH, ASH, LAH 3/4XXX)	3 hrs

Junior Year - Spring		12 hrs
SSE 4361	Social Science Instructional Analysis	3 hrs
SSE 3940	Internship	3 hrs
GEO 3471	World Political Geography	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs

Senior Year - Fall		15 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
American History Elective (AMH 3/4XXX)		3 hrs
Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, or POS 3/4XXX)		6 hrs

Senior Year - Spring		12 hrs
SSE 4941	Internship	12 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$12 per term
- Full-Time Student: \$24 per term

Social Sciences (B.S.)

College of Sciences

Department of Sociology,

Howard Phillips Hall, Room: 403

<http://sociology.ucf.edu/>

Email: sociology@ucf.edu

Dr. J. Jasinski, Jana.Jasinski@ucf.edu

Phone: 407-823-3744

The Social Science Interdisciplinary Degree emphasizes the critical study of the social world. The curriculum increases students' awareness of the social sciences and how they interpret society, societal institutions, social interaction and communication, social culture, as well as past and present human conditions. Students focus on several specific areas within the social sciences while becoming aware of the interdisciplinary nature of the participating programs.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students who declare the Social Sciences major must meet with a program advisor and complete a standardized entrance exam.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.
- Grades below "C" (2.0) in lower level courses are not accepted.
- Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.
- Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Sociology Department prior to enrollment.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

Complete one of the following: 3 hrs

¹ Suggested	SPC 1608	Fundamentals of Oral Communication or	3 hrs
Suggested	SPC 1603C	Fundamentals of Technical Presentations or	3 hrs
Prefer	COM 1000	Introduction to Communication	3 hrs

¹ Required if Communication option of the major is to be followed.

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Statistics: 3 hrs

Required	STA 2014C	Principles of Statistics or	3 hrs
Required	STA 2023	Statistical Methods I	3 hrs

Math: 3 hrs

- You may substitute a higher level math with appropriate scores on the Math Placement Test.

Prefer	MGF 1107	Explorations in Mathematics or	3 hrs
Suggested	MGF 1106	Finite Mathematics	3 hrs

D: Social Foundations (6 hrs)

Select the following course: 3 hrs

Required	POS 2041	American National Government	3 hrs

UCF Degree Programs

Select one of the following, depending on the 3 hrs concentration to be followed.

Required	ANT 2000	General Anthropology or	3 hrs
Required	PSY 2012	General Psychology or	3 hrs
Required	SYG 2000	Introduction to Sociology	3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- Students must complete two introductory courses in a social science discipline.
- Course selection depends on concentration to be followed.

3. Core Requirements: Basic Level

Select one of the following Statistics courses:

STA 2014C	Principles of Statistics or	GEP
STA 2023	Statistical Methods I	GEP

Select at least three of the following, depending on concentrations to be taken:

ANT 2000	General Anthropology or	GEP
POS 2041	American National Government or	GEP
PSY 2012	General Psychology or	GEP
SPC 1608	Fundamentals of Oral Communication or	GEP
SYG 2000	Introduction to Sociology	GEP

4. Core Requirements: Advanced Level (57 hrs)

Select one methods' course: 3 hrs

POS 3703	Scope and Methods of Political Science or	3 hrs
PSY 3213C	Research Methods in Psychology or	5 hrs
SYA 4300C	Research Methods or	4 hrs
COM 3311	Communication Research Methods	3 hrs

Required Minors:

- Complete the requirements for 3 Social Science minors dealing with the following areas:
- Only one minor may be selected from the same department or school.

Anthropology	18 hrs
Communication	18 hrs
Political Science	18 hrs
Psychology	25 hrs
Sociology	18 hrs

5. Restricted Electives

- None

6. Capstone Requirements

- Students will be required to take a standardized exit exam in their graduating semester.

7. Foreign Language Requirements

Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- After meeting with a departmental advisor, select electives primarily from upper level courses to satisfy the 48 hour rule. Courses may be outside the areas.

9. Additional Requirements

- None

10. Required Minors

- Three minors are to be selected from the following listing:
- However only one minor may be taken within a single department or school.

- Anthropology
- Anthropology in Multicultural Studies
- Crime, Law, and Deviance
- Diplomacy
- Diversity and Social Inequality
- European Studies

- Human Communication
- International and Global Studies
- Journalism Studies
- Magazine Journalism
- Mass Communication
- Mass Culture and Collective Behavior
- Medical Anthropology
- Medical Sociology
- North American Indian Studies
- Political Science
- Political Science/Prelaw
- Psychology
- Sociology

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in each Social Science discipline.
- A minimum grade of "C" (2.0) in all core courses is required.
- Students will be required to take a standardized exit exam in their graduating semester.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Anthropology
- Interdisciplinary Studies - Liberal Arts Track
- Economics
- Political Science
- Psychology
- Public Administration
- Sociology

Certificates

- None

Related Minors

- Anthropology
- Economics
- Human Communication
- Political Science
- Psychology
- Public Administration
- Sociology

Advising Notes

- Students should seek advising in the Sociology department.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.



Plan of Study

■ This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

■ Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

■ Prior to enrolling in Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>

Freshman Year - Fall	16 hrs
ENC 1101 Composition I	3 hrs
Foreign Language	4 hrs
GEP- Math	3 hrs
GEP	3 hrs
GEP	3 hrs

Freshman Year - Spring	16 hrs
Core Course	3 hrs
Statistics	3 hrs
ENC 1102 Composition II	3 hrs
Foreign Language	4 hrs
GEP	3 hrs

Sophomore Year - Fall	13 hrs
Core Course	3 hrs
Elective / Minor	3 hrs
GEP	4 hrs
GEP	3 hrs

Sophomore Year - Spring	15 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
GEP	3 hrs
GEP	3 hrs
GEP	3 hrs

Junior Year - Fall	15 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs

Junior Year - Spring	15 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs

Senior Year - Fall	15 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Free Elective	3 hrs

Senior Year - Spring	15 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Elective / Minor	3 hrs
Free Elective	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Social Work (B.S.W.)

College of Health and Public Affairs

School of Social Work,

Health & Public Affairs I, Room: 204

<http://www.cohpa.ucf.edu/social/>

Email: socialwk@ucf.edu

Dr. Sophia Dziegielewska, Interim Director

Robin Kohn, Undergraduate Program Coordinator

Catherine Cash, BSW Advisor

Phone: 407-823-2114

Admission Requirements

■ Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:

■ Admission to the University.

■ A 2.5 overall GPA.

■ An AA (from a Florida College System or State University System institution) or UCF General Education Program and Gordon Rule requirement.

■ 15 semester hours common program prerequisites (see Section 2 below for list of courses).

■ This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

■ Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

Degree Requirements

■ Students who are pending Social Work and are admitted to the program must adopt the most current catalog.

■ Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work.

■ Students should complete the General Education Program and the Common Program Prerequisite Requirements before beginning the Social Work Program.

■ Students should consult with a school advisor.

■ The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours.

■ A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of "C" (2.0) in each course.

■ Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program.

■ Students must complete all the requirements listed in 1-11 below.

1. UCF General Education Program (GEP)	(36 hrs)
A: Communication Foundations	(9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations	(9 hrs)

C: Mathematical Foundations	(6 hrs)

Select 1:	3 hrs
Suggested STA 2014C Principles of Statistics or	3 hrs
Suggested STA 2023 Statistical Methods I	3 hrs

UCF Degree Programs

Select 1:			3 hrs
Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

D: Social Foundations (6 hrs)

Suggested	POS 2041	American National Government	3 hrs
Suggested	PSY 2012	General Psychology	3 hrs

E: Science Foundations (6 hrs)

Suggested	BSC 1005	Biological Principles	3 hrs

Select 1: (3 hrs)

Prefer	PSC 1121	Physical Science or	3 hrs
Suggested	AST 2002	Astronomy	3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)

- See Transfer Notes
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

POS 2041	American National Government	GEP
BSC 1005	Biological Principles	GEP
PSY 2012	General Psychology	GEP
SYG 2000	Introduction to Sociology	3 hrs

Select 1: (3 hrs)

ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (45 hrs)

SOW 3284	Social Work Perspectives on Social Justice	3 hrs
SOW 3104	Assessing I: Human Development	3 hrs
SOW 3300	Practice I: Generalist Practice in Social Work	3 hrs
SOW 3111	Assessing II: Human Systems	3 hrs
SOW 3352	Practice II: Interpersonal Skills in Social Work	3 hrs
SOW 3401	Social Work Research	3 hrs
SOW 3620	Social Work with Diverse Populations	3 hrs
SOW 4730	Documentation in Social Work Practice	3 hrs
SOW 4232	Social Welfare Policies and Issues	3 hrs
SOW 4341	Micro-Level Roles and Interventions in Social Work	3 hrs
SOW 4343	Macro-Level Roles and Interventions in Social Work	3 hrs
SOW 4522	Field Education Seminar	3 hrs
SOW 4510	Field Education	9 hrs

Required Principles of Statistics (3 hrs)

- Choose one of the following suggested courses, or see advisor for more options:

STA 2014C	Principles of Statistics	3 hrs
STA 2023	Statistical Methods I	3 hrs

Cultural Diversity Requirement (6 hrs)

- Choose two of the following suggested courses

ANT 4332	People and Cultures of Latin America	3 hrs
ANT 3363	Anthropology of Japan	3 hrs
ANT 2410	Cultural Anthropology	3 hrs
ANT 3610	Language and Culture	3 hrs
ASH 4404	China in 19th and 20th Centuries	3 hrs
ASH 4442	Modern Japan, 19th and 20th Centuries	3 hrs
CPO 4303	Comparative Latin American Politics	3 hrs
HUM 3401	Asian Humanities	3 hrs
REL 3333	Hinduism	3 hrs
REL 3363	Islam	3 hrs
JST 3401	Jewish People in Antiquity	3 hrs
JST 3402	Wanderings: The Jewish People in Dispersion	3 hrs
JST 3820	Modern Israeli Culture	3 hrs
LAH 3130	Latin American History I	3 hrs
LAH 3200	Modern Latin America	3 hrs
LAH 3400	History of Mexico and Central America	3 hrs
LAH 3470	History of the Caribbean	3 hrs
AMH 3561	Women in American History I	3 hrs
AMH 3571	Black American History I	3 hrs
AMH 3586	History of the Hispanic Minorities in the U.S.	3 hrs
ANT 3302	Sex, Gender and Culture	3 hrs

ANT 3311	Indians of the Southeastern United States	3 hrs
ANT 3313	Indians of North America High Plains	3 hrs
SOP 3724	Psychology of Prejudice	3 hrs
SOP 3742	Psychology of Women	3 hrs
ASL 3444	Introduction to Signed English and Culture of the Deaf	3 hrs
SYD 3700	Race and Ethnicity	3 hrs
EDF 2085	Introduction to Diversity for Educators	3 hrs
HSC 3593	HIV Disease: A Human Concern	3 hrs

5. Restricted Electives (6 hrs)

- Select six hours in consultation with faculty advisor.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Graduation

- Cultural Diversity Requirement

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum overall GPA of 2.5 in all social work courses with a minimum grade of "C" (2.0) or higher in each social work course.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course.
- Complete a three-credit thesis course.
- Earn a 3.5 GPA in your Social Work major.
- Earn a cumulative 3.2 GPA in your total UCF courses.
- Complete 60 hours of college credit, including 12 upper division hours at UCF.

Related Programs

- Criminal Justice
- Psychology
- Sociology
- Public Administration

Certificates

- Aging Studies
- Children's Services

Related Minors

- Health Services Administration
- Aging Studies
- Psychology
- Sociology
- Nonprofit Management/National Certification in Nonprofit Management

Advising Notes

- None



Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- POS 2041: may use POS X042 or PUP X099
- BSC 2005: may use BSC X085, BSC X010, or PCB X099
- PSY 2012: may use PSY X020
- SYG 2000: may use SYG X010

Plan of Study

Freshman Year - Fall 14 hrs

ENC 1101	Composition I	3 hrs
BSC 1005	Biological Principles	3 hrs
MGF 1106	Finite Mathematics	3 hrs
PAF 2102	Public Affairs Careers	2 hrs

Select 1: 3 hrs

SYG 2000	Introduction to Sociology or	3 hrs
PSY 2012	General Psychology	3 hrs

Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
STA 2014C	Principles of Statistics	3 hrs
POS 2041	American National Government	3 hrs

Select 1: 3 hrs

PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology	3 hrs

Select 1: 3 hrs

MUL 2010	Enjoyment of Music or	3 hrs
THE 2000	Theatre Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs

Sophomore Year - Fall 15 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
SOW 2020	Careers in Creating Social Change	3 hrs

Select 1: 3 hrs

ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Select 1: 3 hrs

EUH 2000	Western Civilization I or	3 hrs
WOH 2012	World Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I or	3 hrs
AMH 2010	U.S. History: 1492-1877 or	3 hrs
	Foreign Language I or Cultural Diversity	3 hrs

Sophomore Year - Spring 15 hrs

Free Elective		3 hrs
Free Elective		3 hrs

Select 1: 3 hrs

CHM 1020	Concepts in Chemistry or	3 hrs
PSC 1121	Physical Science or	3 hrs
AST 2002	Astronomy	3 hrs

Select 1: 3 hrs

EUH 2001	Western Civilization II or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
AMH 2020	U.S. History: 1877-Present or	3 hrs
	Foreign Language II or Cultural Diversity	3 hrs

Sophomore Year - Summer 6 hrs

Select 1: 3 hrs

SOW 3104	Assessing I: Human Development or	3 hrs
SOW 3300	Practice I: Generalist Practice in Social Work or	3 hrs
SOW 3620	Social Work with Diverse Populations	3 hrs
SOW Elective		3 hrs

Junior Year - Fall 15 hrs

SOW 3284	Social Work Perspectives on Social Justice	3 hrs
SOW 3104	Assessing I: Human Development	3 hrs
SOW 3300	Practice I: Generalist Practice in Social Work	3 hrs
Restricted Elective		3 hrs
Free Elective		3 hrs

Junior Year - Spring 15 hrs

SOW 3111	Assessing II: Human Systems	3 hrs
SOW 3352	Practice II: Interpersonal Skills in Social Work:	3 hrs
SOW 3401	Social Work Research	3 hrs
SOW 3620	Social Work with Diverse Populations	3 hrs
Free Elective		3 hrs

Junior Year - Summer 9 hrs

SOW 3620	Social Work with Diverse Populations	3 hrs
SOW 4343	Macro-Level Roles and Interventions in Social Work	3 hrs
SOW Elective		3 hrs

Senior Year - Fall 18 hrs

SOW 4232	Social Welfare Policies and Issues	3 hrs
SOW 4341	Micro-Level Roles and Interventions in Social Work	3 hrs
SOW 4343	Macro-Level Roles and Interventions in Social Work	3 hrs
SOW 4730	Documentation in Social Work Practice	3 hrs
Free Elective		3 hrs

Senior Year - Spring 12 hrs

¹ SOW 4510	Field Education	9 hrs
² SOW 4941	Internship	5 hrs
¹ SOW 4522	Field Education Seminar	3 hrs
Free Elective		3 hrs

¹ For Full-time students ONLY

² For part-time students ONLY

Senior Year - Summer 4 hrs

¹ SOW 4941	Internship	4 hrs

¹ For part-time students ONLY

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Sociology (B.A.)

College of Sciences

Department of Sociology

<http://sociology.ucf.edu/>

Email: sociology@ucf.edu

Dr. J. Jasinski, Jana.Jasinski@ucf.edu

Phone: 407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students' social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral

UCF Degree Programs

analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
- Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
- Students must have a "C" (2.0) or higher in all core courses.
- Co-op credit cannot be used in this major.
- Directed Independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.
- No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) credit may be used for the major.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Students should consult annually with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

- A satisfactory score in the Math Placement Test is required before enrolling in this course.

Prefer MAC 1105C College Algebra 3 hrs

Statistics: 3 hrs

Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

Political Science/Economics 3 hrs

Select one listed course 3 hrs

Social Sciences 3 hrs

Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information, including possible substitutions.

SYG 2000 Introduction to Sociology GEP

SYA 3110 Social Theory 3 hrs

3. Core Requirements: Basic Level

- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

SYG 2000 Introduction to Sociology GEP/CPP

SYA 3110 Social Theory CPP

4. Core Requirements: Advanced Level (12 hrs)

SYA 4300C Research Methods 4 hrs

SYA 4450 Data Analysis 4 hrs

SYA 3400C Applied Social Statistics 4 hrs

5. Restricted Electives

(27 hrs)

Select from the following courses:

- All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.

SYA 4650C	Community Action and Involvement	3 hrs
SYA 5625	ProSeminar	3 hrs
SYA 5652	Advanced Population	3 hrs
SYD 3410	Urban Society	3 hrs
SYD 3700	Race and Ethnicity	3 hrs
SYD 4510	Environment and Society	3 hrs
SYD 4810	Women in Contemporary Society	3 hrs
SYD 4813	Women, Law and Social Change	3 hrs
SYG 2010	Social Problems	3 hrs
SYO 3000	Contemporary Society	3 hrs
SYO 3360	Social Organization and Human Relations	3 hrs
SYO 3410	Patterns of Mental Health in Society	3 hrs
SYO 3530	Social Power and Inequality	3 hrs
SYO 4100	Family Trends	3 hrs
SYO 4200	Religion in Society	3 hrs
SYO 4250	Education and Social Achievement	3 hrs
SYO 4300	Political Sociology	3 hrs
SYO 4400	Medical Sociology	3 hrs
SYP 3300	Fads, Crowds, and Social Action	3 hrs
SYP 3400	Social Change	3 hrs
SYP 3510	Sociology of Deviant Behavior	3 hrs
SYP 3511	Sociology of Murder	3 hrs
SYP 3520	Criminology	3 hrs
SYP 3530	Juvenile Delinquency	3 hrs
SYP 3540	Sociology of Law	3 hrs
SYP 3551	Patterns of Alcoholism in Society	3 hrs
SYP 3562	Patterns of Domestic Violence in Society	3 hrs
SYP 3602	Patterns of Popular Music in Society	3 hrs
SYP 3630	Popular Culture In Society	3 hrs
SYP 3650	Sports and Society	3 hrs
SYP 4000	Sociological Social Psychology	3 hrs
SYP 4004	Constructing Social Issues	3 hrs
SYP 4514	Patterns of Violence in Society	3 hrs
SYP 4521	Crime Victims in Society	3 hrs
SYP 4536	Gangs and Society	3 hrs
SYP 4550	Patterns of Drug Abuse in Society	3 hrs
SYP 4730	Patterns of Aging in Society	3 hrs
SYP 4732	Minority Aging	3 hrs
SYP 5525	Sociological Criminology	3 hrs
SYD 3800	Sex and Gender in Society	3 hrs
SYD 4020	Birth, Death, and Population Trends	3 hrs

Internship:

- Eligible students may enroll for 3 to 6 semester hours of Internship in the following courses. Arrangements for internships are coordinated by the Department Internship Supervisor and require prior approval.

SYP 3940	Internship or	3 hrs
SYP 4941	Internship or	3 hrs
SYP 5944	Internship	3 hrs
All special topics courses with the prefixes SYA, SYD, SYO, or SYP		3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None



11. Departmental Exit Requirements

- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of "C" (2.0) in all core courses.
- Students will be required to take a standard exit exam in their graduating semester.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Anthropology
- Criminal Justice

Certificates

- None

Related Minors

- Africana Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women's Studies

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).

Acceptable Substitutes for Transfer Courses

- SYG 2000; although the CPP accepts any lower division sociology course, this course is a prerequisite for subsequent sociology courses and still must be taken.
- SYA 3110; although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>

Freshman Year - Fall 16 hrs

SYG 2000	Introduction to Sociology	3 hrs
ENC 1101	Composition I	3 hrs
Foreign Language		4 hrs
GEP		3 hrs
GEP- Math		3 hrs

Freshman Year - Spring 16 hrs

ENC 1102	Composition II	3 hrs
STA 2014C	Principles of Statistics	3 hrs
Foreign Language		4 hrs
Free Elective		3 hrs
GEP		3 hrs

Sophomore Year - Fall 15 hrs

GEP	3 hrs
GEP	3 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

Sophomore Year - Spring 16 hrs

GEP	3 hrs
GEP	3 hrs
Restricted Elective	4 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs

Junior Year - Fall 14 hrs

SYA 4300C	Research Methods	4 hrs
SYA 3400C	Applied Social Statistics	4 hrs
Restricted Elective		3 hrs
GEP		3 hrs

Junior Year - Spring 14 hrs

SYA 3110	Social Theory	3 hrs
SYA 4450	Data Analysis	4 hrs
Free Elective		3 hrs
Free Elective		4 hrs

Senior Year - Fall 15 hrs

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

Senior Year - Spring 14 hrs

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs
Free Elective	2 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$7.50 per term
- Full-Time Student: \$15 per term

Spanish (B.A.)

College of Arts and Humanities

Department of Modern Languages and Literatures,

Colbourn Hall, Room: 523

<http://mll.cah.ucf.edu/>

Email: flfacult@ucf.edu

Dr. Paul Giordano

Phone: 407-823-2472

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

Admission Requirements

- None

Degree Requirements

- 36 credits in Spanish must be taken at the 3000 level or above.
- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
- Students must earn at least a "C" (2.0) in each upper division Spanish course.

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■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.

■ Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.

■ Co-op or internship credit cannot be used in this major.

■ Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Math 6 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs

Suggested MGF 1107 Explorations in Mathematics 3 hrs

Statistics - Computers 3 hrs

Select a course from GEP C.2 list

You may substitute a higher level math with appropriate scores on the Math Placement Test 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

¹ SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

¹ SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

¹ SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

¹ May be met by proficiency test or completion of SPN 3234

3. Core Requirements: Basic Level

SPN 3234 Advanced Directed Readings 3 hrs

4. Core Requirements: Advanced Level (15 hrs)

¹ SPN 3300 Advanced Spanish Grammar and Composition 3 hrs

¹ SPN 3420 Spanish Composition 3 hrs

¹ SPN 3760 Advanced Spanish Oral Communication 3 hrs

Select one of the following sequences of courses:

SPW 3100 Survey of Spanish Literature I and 3 hrs

SPW 3101 Survey of Spanish Literature II 3 hrs

or

SPW 3130 Survey of Latin-American Literature I and 3 hrs

SPW 3131 Survey of Latin-American Literature II 3 hrs

¹ A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

5. Restricted Electives (21 hrs)

Select one of the following 3 hrs

SPN 4801 Spanish Morphosyntax 3 hrs

SPN 4800 Spanish-American Syntax 3 hrs

SPN 4780 Spanish Phonetics 3 hrs

SPN 3852 Bilinguismo 3 hrs

Spanish literature beyond the survey level 6 hrs

■ Taught in Spanish

Culture and Civilization 3 hrs

Select 1: 3 hrs

SPN 4510 Spanish Civilization and Culture or 3 hrs

SPN 4520 Latin American Civilization and Culture 3 hrs

Spanish courses 9 hrs

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by Graduation requirements.

Graduation

■ Met by Common Program Prerequisites.

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Earn a grade of "C" (2.0) or higher in at least 36 credit hours of upper division Spanish courses.

■ Students are required to satisfactorily complete a departmental exit exam. The exam is offered each September and February; students should discuss the optimal test date with their advisor.

■ Computer Competency met by the following or equivalent:

CGS 1060C Introduction to Computers 3 hrs

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ French

Certificates

■ None

Related Minors

■ French

■ Italian

■ Judaic Studies

■ Latin American Area Studies

■ Spanish

Advising Notes

■ None

Transfer Notes

■ Lower division courses do not substitute for upper division courses.

■ Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

■ Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute Third-year level composition and conversation courses.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

■ One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new, or more appropriate selections.



Freshman Year - Fall

ANT 2000	General Anthropology	3 hrs
ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs
Elective / Minor		3 hrs

Freshman Year - Spring

ENC 1102	Composition II	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs
SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs
Elective / Minor		4 hrs

Sophomore Year - Fall

AMH 2010	U.S. History: 1492-1877	3 hrs
ARH 2050	History of Western Art I	3 hrs
POS 2041	American National Government	3 hrs
PSC 1121	Physical Science	3 hrs
SPN 2200	Intermediate Spanish Language and Civilization I	3 hrs

Sophomore Year - Spring

BSC 1005	Biological Principles	3 hrs
MUL 2010	Enjoyment of Music	3 hrs
COM 1000	Introduction to Communication	3 hrs
SPN 3234	Advanced Directed Readings	3 hrs
Elective / Minor		3 hrs

Junior Year - Fall

SPN 3300	Advanced Spanish Grammar and Composition	3 hrs
SPN 3420	Spanish Composition	3 hrs
SPN 3760	Advanced Spanish Oral Communication	3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

Junior Year - Spring

SPW 3101	Survey of Spanish Literature II	3 hrs
SPN 4780	Spanish Phonetics	3 hrs
SPN 3141	Business Spanish II	3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

Senior Year - Fall

SPW 3100	Survey of Spanish Literature I	3 hrs
SPN 4520	Latin American Civilization and Culture	3 hrs
SPN 5705	Introduction to Spanish Linguistics	3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

Senior Year - Spring

SPW 3131	Survey of Latin-American Literature II	3 hrs
SPW 4381	Latin-American Theatre/Poetry	3 hrs
SPN 4410	Advanced Spanish Conversation	3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Sport and Exercise Science (B.S.)

College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209

<http://education.ucf.edu/sportexscience>

Jeffrey Stout, sesadvising@ucf.edu, 407-823-0623

The Sport and Exercise Science B.S. program offers students the option of three tracks, Coaching and Human Performance, offered at the Orlando campus, and Community Sport and Fitness, offered at the South Lake campus. The Coaching track is appropriate for students interested in coaching at all levels of competition, in a variety of sports, including strength and conditioning. Students are provided with a combination of course content as well as practical

field and laboratory experiences. The Human Performance track is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e. physical therapy, occupational therapy, and cardiac rehabilitation). The Community Sport and Fitness track is appropriate for students seeking positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities.

Admission Requirements

■ Complete the University General Education Requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.

■ Have a minimum 2.5 overall GPA.

■ Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements

■ Students should consult with an advisor on a regular basis.

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students should see an advisor prior to selecting this major, and at least every semester thereafter.

■ Students must earn at least a "C" (2.0) in each required course and maintain an overall GPA of at least a 2.5.

■ Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete the departmental application and approval process.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Elective from GEP section B.2			3 hrs

C: Mathematical Foundations (6 hrs)

Prefer	MGF 1106	Finite Mathematics	3 hrs

Select 1: (3 hrs)

Prefer	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

E: Science Foundations (7 hrs)

Required	BSC 2010C	Biology I	4 hrs
Prefer	PSC 1121	Physical Science	3 hrs

2. Common Program Prerequisites (CPP)

■ See Transfer Notes for possible substitutes for the following course.

BSC 2010C	Biology I	GEP

3. Core Requirements: Basic Level (22 hrs)

Core Requirements for Sport and Exercise Science: (22 hrs)

ZOO 3736C	Exercise Physiology Anatomy	4 hrs
PET 3005	Introduction to Sport and Exercise Science	3 hrs
PET 3097	Health and Wellness	3 hrs
PET 3361	Nutrition and Metabolism in Sport and Exercise Science	3 hrs
PET 4312C	Kinesiology/Biomechanics	3 hrs
APK 4110C	Exercise Physiology	3 hrs
PET 4550C	Assessment and Evaluation in Exercise Science	3 hrs



UCF Degree Programs

4. Core Requirements: Advanced Level (24 hrs)

- Select one of the following tracks

A. Track 1 - Coaching 24 hrs

ATR 4132	Human Injuries: Mechanisms & Prevention	3 hrs
PET 3765	Coaching Theory	3 hrs
PET 3771	Strength and Conditioning Concepts	3 hrs
PET 4050C	Motor Development and Learning	3 hrs
PET 4215	Motivational Aspects of Athletic Performance	3 hrs
PET 4763	Coaching Methods And Principles	3 hrs
SPM 3204	Sports and Ethics	3 hrs
SPM 4723	Legal Issues in Sport and Exercise Science	3 hrs

Coaching sport specific courses will be selected under electives (PEO course prefix)

B. Track 2 - Human Performance 24 hrs

ATR 4132	Human Injuries: Mechanisms & Prevention	3 hrs
PET 3771	Strength and Conditioning Concepts	3 hrs
PET 4050C	Motor Development and Learning	3 hrs
PET 4215	Motivational Aspects of Athletic Performance	3 hrs
PET 4552	Exercise Prescription for Special Populations	3 hrs
PET 4143	Current Issues & Trends in Sport and Exercise Science	3 hrs
PET 3125	Fitness and Weight Management	3 hrs
PET 4088	Physical Activity & Preventive Medicine	3 hrs

C. Track 3 - Community Sport and Fitness 24 hrs

PET 3820	Teaching Sports Skills I	3 hrs
PET 4002	Outdoor and Leisure Activities	3 hrs
PET 4763	Coaching Methods And Principles	3 hrs
SPM 3415	Public Relations in Sport and Exercise Science	3 hrs
SPM 3130	Aquatic Management	3 hrs
ATR 4132	Human Injuries: Mechanisms & Prevention	3 hrs
SPM 3504	Fiscal and Facilities: Issues in Sport and Exercise Science	3 hrs
SPM 4723	Legal Issues in Sport and Exercise Science	3 hrs

5. Restricted Electives (25 hrs)

■ Students have the opportunity to add learning experiences by earning a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate studies, for example in medicine, physical therapy and other allied health graduate programs.

- Courses are required to be 2000 level or higher.

6. Capstone Requirements (12 hrs)

PET 4901	Capstone in Sport and Exercise Science	3 hrs

Select 1: 9 hrs

PET 4926	Sport and Exercise Science Practicum or	9 hrs
	Take 3 additional electives in the program approved by the advisor	9 hrs

■ During the final year of the program, students will complete Practicum requirements in an area that is specific to their desired career goals. In order to be placed into practicum, students will need to have a 2.75 GPA. These experiences will provide the student with actual professional experiences and practical hands-on application. The students will be working directly with a Practicum Site Supervisor in the organization and their UCF Faculty Supervisor. The UCF Faculty Supervisor will maintain periodic contact with the Practicum Site Supervisor to check performance status.

■ Students in the Practicum will be representing not only themselves while on site but also the Sport and Exercise Science Program, the College, and UCF. Therefore, professionalism in manner, ethics, job performance, and dress will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their UCF Faculty Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action regarding expectations and improvements will be developed.

- If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

7. Foreign Language Requirements

Admissions

■ (0-8 hrs.) State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

8. Electives

- Restricted Electives as listed above.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum overall GPA of 2.5.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- Coaching
- Fitness Training

Advising Notes

- Students must meet with their advisor before enrolling each term.

Transfer Notes

- Courses transferred from private and out-of-state institutions must be evaluated for equivalency credit. The student must provide all documentation.

Acceptable Substitutes for Transfer Courses

- The following substitutions are acceptable if taken at a Florida College System institution:
- BSC 1010C (4 credit hours with lab) will satisfy the BSC2010C Biology I requirement.
- BSC 2085C OR BSC 2093C (4 credit hours with lab) will satisfy the ZOO 3736C Exercise Physiology Anatomy requirement.

Plan of Study

■ The Coaching, Human Performance and Community Sport and Fitness Tracks follow the same Plan of Study for the Freshman and Sophomore Semesters.

Freshman Year - Fall 12 hrs

ENC 1101	Composition I	3 hrs
PSC 1121	Physical Science	3 hrs
PSY 2012	General Psychology	3 hrs
GEP section B.2		3 hrs

Freshman Year - Spring 16 hrs

BSC 2010C	Biology I	4 hrs
ENC 1102	Composition II	3 hrs
MGF 1106	Finite Mathematics	3 hrs
POS 2041	American National Government	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

Sophomore Year - Fall 15 hrs

AMH 2010	U.S. History: 1492-1877	3 hrs
PET 3005	Introduction to Sport and Exercise Science	3 hrs
Elective Courses (2000 level or higher)		6 hrs

Select 1: 3 hrs

CGS 1060C	Introduction to Computers or	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
STA 2014C	Principles of Statistics	3 hrs

Sophomore Year - Spring 13 hrs

PET 3097	Health and Wellness	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs
Elective Course (2000 level or higher)		3 hrs
ZOO 3736C	Exercise Physiology Anatomy	4 hrs

Human Performance Track

Junior Year - Fall 15 hrs

PET 4312C	Kinesiology/Biomechanics	3 hrs
PET 4550C	Assessment and Evaluation in Exercise Science	3 hrs
APK 4110C	Exercise Physiology	3 hrs
Elective Course (2000 level or higher)		3 hrs
PET 4215	Motivational Aspects of Athletic Performance	3 hrs

Junior Year - Spring 15 hrs

PET 3361	Nutrition and Metabolism in Sport and Exercise Science	3 hrs
Elective Course (2000 level or higher)		3 hrs
PET 3125	Fitness and Weight Management	3 hrs
PET 3771	Strength and Conditioning Concepts	3 hrs
PET 4050C	Motor Development and Learning	3 hrs

Junior Year - Summer 7 hrs

Elective Courses (2000 level or higher)		7 hrs

Senior Year - Fall 15 hrs

Elective Course (2000 level or higher)		3 hrs
ATR 4132	Human Injuries: Mechanisms & Prevention	3 hrs
PET 4088	Physical Activity & Preventive Medicine	3 hrs
PET 4552	Exercise Prescription for Special Populations	3 hrs
PET 4143	Current Issues & Trends in Sport and Exercise Science	3 hrs

Senior Year - Spring 12 hrs

PET 4901	Capstone in Sport and Exercise Science	3 hrs

Select 1: 9 hrs

PET 4926	Sport and Exercise Science Practicum or	9 hrs
Take 3 additional electives in the program approved by advisor		9 hrs

Coaching Track

Junior Year - Fall 15 hrs

PET 4312C	Kinesiology/Biomechanics	3 hrs
APK 4110C	Exercise Physiology	3 hrs
Elective Course (2000 level or higher)		3 hrs
PET 3361	Nutrition and Metabolism in Sport and Exercise Science	3 hrs
PET 3765	Coaching Theory	3 hrs

Junior Year - Spring 15 hrs

PET 4050C	Motor Development and Learning	3 hrs
PET 4550C	Assessment and Evaluation in Exercise Science	3 hrs
PET 4763	Coaching Methods And Principles	3 hrs
SPM 3204	Sports and Ethics	3 hrs
Elective Course (2000 level or higher)		3 hrs

Junior Year - Summer 7 hrs

Elective Courses (2000 level or higher)		7 hrs

Senior Year - Fall 15 hrs

PET 3771	Strength and Conditioning Concepts	3 hrs
ATR 4132	Human Injuries: Mechanisms & Prevention	3 hrs
PET 4215	Motivational Aspects of Athletic Performance	3 hrs
SPM 4723	Legal Issues in Sport and Exercise Science	3 hrs
Elective Course (2000 level or higher)		3 hrs

Senior Year - Spring 12 hrs

PET 4901	Capstone in Sport and Exercise Science	3 hrs

Select 1: 9 hrs

PET 4926	Sport and Exercise Science Practicum or	9 hrs
Take 3 additional electives in the program approved by advisor		9 hrs

Community Sport and Fitness Track

Junior Year - Fall 15 hrs

PET 4312C	Kinesiology/Biomechanics	3 hrs
APK 4110C	Exercise Physiology	3 hrs
Elective Course (2000 level or higher)		3 hrs
PET 3361	Nutrition and Metabolism in Sport and Exercise Science	3 hrs
PET 3820	Teaching Sports Skills I	3 hrs

Junior Year - Spring 15 hrs

PET 4002	Outdoor and Leisure Activities	3 hrs
PET 4550C	Assessment and Evaluation in Exercise Science	3 hrs
PET 4763	Coaching Methods And Principles	3 hrs
SPM 3415	Public Relations in Sport and Exercise Science	3 hrs
Elective Course (2000 level or higher)		3 hrs

Junior Year - Summer 7 hrs

Elective Courses (2000 level or higher)		7 hrs

Senior Year - Fall 15 hrs

SPM 3130	Aquatic Management	3 hrs
ATR 4132	Human Injuries: Mechanisms & Prevention	3 hrs
SPM 3504	Fiscal and Facilities: Issues in Sport and Exercise Science	3 hrs
SPM 4723	Legal Issues in Sport and Exercise Science	3 hrs
Elective Course (2000 level or higher)		3 hrs

Senior Year - Spring 12 hrs

PET 4901	Capstone in Sport and Exercise Science	3 hrs

Select 1: 9 hrs

PET 4926	Sport and Exercise Science Practicum or	9 hrs
Take 3 additional electives in the program approved by advisor		9 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alac/academic_learning_compacts.htm



UCF Degree Programs

Statistics (B.S.)

College of Sciences

Department of Statistics,

Technology Commons II, Room: 212

<http://statistics.cos.ucf.edu/>

Email: statistics@ucf.edu

Dr. David Nickerson, 407-823-5528

Phone: 407-823-2289

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.
- Students must earn at least a "C" (2.0) in each course with a STA prefix.
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.

STA 2023	Statistical Methods I	3 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs

1. UCF General Education Program (GEP) (39 hrs)

- Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Required	MAC 2311C	Calculus with Analytic Geometry I	4 hrs
Required	STA 2023	Statistical Methods I	3 hrs

D: Social Foundations (6 hrs)

Economics (3 hrs)

Prefer	ECO 2013	Principles of Macroeconomics	3 hrs

Social Sciences: Select one. (3 hrs)

Required	ANT 2000	General Anthropology or	3 hrs
Required	PSY 2012	General Psychology or	3 hrs
Required	SYG 2000	Introduction to Sociology	3 hrs

E: Science Foundations (8 hrs)

Life Science: (4 hrs)

Required	BSC 2010C	Biology I	4 hrs

Physical Science: (4 hrs)

Required	CHM 2045C	Chemistry Fundamentals I or	4 hrs
Required	PHY 2053C	College Physics I	4 hrs

2. Common Program Prerequisites (CPP) (11 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information, including some possible substitutes.

COP 3223	Introduction to Programming with C	3 hrs
MAC 2311C	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
STA 2023	Statistical Methods I	GEP

Complete two laboratory courses designed for science majors;

- The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.

- Note: both semesters do not have to be in the same subject area.

- Note: depending which courses were taken in the GEP, this requirement could require between 0 and 8 credits to complete.

Select two semesters within the following;

- See Basic Core for details.
- Biology majors' courses with labs or
- Chemistry majors' courses with labs or
- Physics majors' courses with labs

3. Core Requirements: Basic Level

- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken;

Core: Required, satisfies the CPP

COP 3223	Introduction to Programming with C and	CPP
MAC 2311C	Calculus with Analytic Geometry I and	GEP/CPP
MAC 2312	Calculus with Analytic Geometry II and	CPP
MAC 2313	Calculus with Analytic Geometry III and	CPP
STA 2023	Statistical Methods I	CPP

- and two semesters equivalent within the following:

- These satisfy the requirement for two semesters equivalent of science courses with labs designed for majors.

CHM 2045C	Chemistry Fundamentals I	GEP/CPP

- or an alternate sequence,

- These two semesters only count as one, and are considered as equivalent to the above course.

CHM 2040	Chemistry Fundamentals IA and	GEP/CPP
CHM 2041	Chemistry Fundamentals IB	GEP/CPP

- or complete both

- Lecture plus lab count as one semester.

CHM 2046	Chemistry Fundamentals II and	CPP
CHM 2046L	Chemistry Fundamentals Laboratory	CPP

- or

BSC 2010C	Biology I or	GEP/CPP
BSC 2011C	Biology II or	CPP
PHY 2048C	Physics for Engineers & Scientists I or	GEP/CPP
PHY 2049C	Physics for Engineers and Scientists II	CPP

4. Core Requirements: Advanced Level (43 hrs)

STA 4102	Computer Processing of Statistical Data	3 hrs
STA 4163	Statistical Methods II	3 hrs
STA 4164	Statistical Methods III	3 hrs
STA 4321	Statistical Theory I	3 hrs
STA 4322	Statistical Theory II	3 hrs
ENC 3241	Writing for the Technical Professional	3 hrs
COP 3502C	Computer Science I	3 hrs
COT 4500	Numerical Calculus	3 hrs

Select from the following courses; (4 hrs)

MAS 3105	Matrix and Linear Algebra or	4 hrs
MAS 3106	Linear Algebra	4 hrs

Select from the following courses; (3 hrs)

COT 3100C	Introduction to Discrete Structures or	3 hrs
MHF 3302	Logic and Proof in Mathematics	3 hrs

Select from the following courses; (12 hrs)

STA 3096	Statistical Graphics or	3 hrs
STA 4173	Biostatistical Methods or	3 hrs
STA 4183	Theory of Interest or	3 hrs
STA 4184	Introduction to Derivative Markets or	3 hrs
STA 4186	Theory of Derivative Pricing or	3 hrs
STA 4222	Sample Survey Methods or	3 hrs
STA 4502	Nonparametric Statistical Methods or	3 hrs
STA 4504	Categorical Data Analysis or	3 hrs
STA 4664	Statistical Quality Control or	3 hrs
STA 4852	Applied Time Series	3 hrs



5. Restricted Electives (6 hrs)

- Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.
- Selected courses in engineering or business may be used but must first be approved by the Statistics Department.
- The following courses cannot be used to satisfy this requirement:

MAC 2233	Concepts of Calculus	3 hrs
MAC 2253	Applied Calculus	3 hrs
MAC 2254	Applied Calculus II	3 hrs
MHF 4404	History of Mathematics	3 hrs
All MAE courses		

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

- The following courses from business may be used without prior approval by the Statistics Department.

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs
FIN 3403C	Business Finance	4 hrs

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each STA course.
- Take SOA Exam P (Probability) and report the score to the department.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Mathematics - Applied Track
- Mathematics Education

Certificates

- None

Related Minors

- Statistics
- Mathematics

Advising Notes

- It is the student's responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.

- Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and still may need to be taken.

- Biology: any 2 laboratory courses for majors with BSC, CHM, or PHY prefixes will satisfy the CPP. However the listed biology courses are also a core requirement and will need to be taken.

- Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program's core and will still need to be taken.

Plan of Study (120 hrs)

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ <http://chemplacement.sdes.ucf.edu>

- Prior to enrolling in Math, take Math Placement Test ~ <http://utc.sdes.ucf.edu>

- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 13 hrs

MAC 2311C	Calculus with Analytic Geometry I	4 hrs
STA 2023	Statistical Methods I	3 hrs
ENC 1101	Composition I	3 hrs
GEP		3 hrs

Freshman Year - Spring 15 hrs

MAC 2312	Calculus with Analytic Geometry II	4 hrs
BSC 2010C	Biology I	4 hrs
ENC 1102	Composition II	3 hrs

Select one course: 4 hrs

CHM 2045C	Chemistry Fundamentals I or	4 hrs
PHY 2053C	College Physics I	4 hrs

Sophomore Year - Fall 16 hrs

MAC 2313	Calculus with Analytic Geometry III	4 hrs
STA 4163	Statistical Methods II	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Spring 15 hrs

STA 4164	Statistical Methods III	3 hrs
COP 3223	Introduction to Programming with C	3 hrs
Core Course		3 hrs
Core Course		4 hrs

Junior Year - Fall 15 hrs

STA 4321	Statistical Theory I	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Core Course		3 hrs
Core Course		3 hrs

Junior Year - Spring 16 hrs

STA 4322	Statistical Theory II	3 hrs
Core Course		3 hrs
Free Elective		3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

Senior Year - Fall 15 hrs

STA 4102	Computer Processing of Statistical Data	3 hrs
COT 4500	Numerical Calculus	3 hrs
ENC 3241	Writing for the Technical Professional	3 hrs
Core Course		3 hrs
Elective / Minor		3 hrs
Take SOA EXAM P (Probability).		



UCF Degree Programs

Senior Year - Spring	15 hrs
GEP	3 hrs
GEP	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Technical Education and Industry Training (B.S.)

College of Education and Human Performance

Department of Educational and Human Sciences,

Education Complex, Room: ED 123 N

<http://education.ucf.edu/teched/>

Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu,
 407-325-6293

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see <http://distrib.ucf.edu/home>.

Admission Requirements

- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida College System or State University institution).
- Have a minimum 2.5 overall GPA
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements

- Students should consult with an Education advisor prior to registration.
- This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community and state colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor's degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)

EDF 2005	Introduction to the Teaching Profession	3 hrs
EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (57 hrs)

ADE 4382	Teaching Adult Learners in Technical Programs	3 hrs
ECT 3062	Professional Roles of the Career & Technical Teacher	3 hrs

ECT 3365	General Methods/Testing Evaluation in Career & Technical Education	3 hrs
ECT 3367	Evaluation of Career & Technical Education Instruction	3 hrs
ECW 3564	Special Populations in Career & Technical Education	3 hrs
ECT 4004	Principles and Practices of Technical Education	3 hrs
ECT 4184	Curriculum Development Techniques for Industry Training	3 hrs
ECT 4384	Advanced Teaching Techniques for Career Education	3 hrs

Select 1: (3 hrs)

BTE 4410	Course Construction in Business Education or	3 hrs
ECW 3312	Course Construction in Health Occupations Education or	3 hrs
ECT 3371	Course Construction in Industrial Education	3 hrs

Technical Specialization Requirements (30 hrs)

- Students must complete an area specialization through one of the following routes:
- Occupation-specific courses
- Recognized occupational license/registration/certification
- Occupational examination
- Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit. Appropriate documentation must be provided to advisor before this will be submitted for credit.

5. Restricted Electives (18 hrs)

Upper Division Electives (6 hrs)

- With advisor's approval

Directed Field Experience (12 hrs)

- The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120



Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

(120 hrs)

Freshman Year - Fall

15 hrs

ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
Social Foundations Course		3 hrs
Cultural-Historical Foundations Course		3 hrs

Freshman Year - Spring

15 hrs

ENC 1102	Composition II	3 hrs

Select 1:

3 hrs

STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
STA 2014C	Principles of Statistics	3 hrs
Cultural-Historical Foundations Course		3 hrs
Cultural-Historical Foundations Course		3 hrs
Social Foundations Course		3 hrs

Sophomore Year - Fall

12 hrs

EDF 2005	Introduction to the Teaching Profession	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
Technical Specialization Course		3 hrs
Science Foundations Course		3 hrs
Foreign Language Course (if needed)		4 hrs

Sophomore Year - Spring

12 hrs

EDF 2085	Introduction to Diversity for Educators	3 hrs
Technical Specialization Course		3 hrs
Technical Specialization Course		3 hrs
Science Foundations Course		3 hrs
Foreign Language Course (if needed)		4 hrs

Sophomore Year - Summer

6 hrs

ECW 3564	Special Populations in Career & Technical Education	3 hrs

Select 1:

3 hrs

ECW 3312	Course Construction in Health Occupations Education or	3 hrs
ECT 3371	Course Construction in Industrial Education	3 hrs

Junior Year - Fall

15 hrs

ECT 3365	General Methods/Testing Evaluation in Career & Technical Education	3 hrs
Technical Specialization Courses		12 hrs

Junior Year - Spring

15 hrs

ECT 3062	Professional Roles of the Career & Technical Teacher	3 hrs
ECT 3367	Evaluation of Career & Technical Education Instruction	3 hrs
Technical Specialization Courses		9 hrs

Junior Year - Summer

6 hrs

ECT 4004	Principles and Practices of Technical Education	3 hrs
ECT 4184	Curriculum Development Techniques for Industry Training	3 hrs

Senior Year - Fall

12 hrs

ADE 4382	Teaching Adult Learners in Technical Programs	3 hrs
ECT 4384	Advanced Teaching Techniques for Career Education	3 hrs
Upper Division Electives		6 hrs

Senior Year - Spring

ECT 4941 Internship

12 hrs

12 hrs

Senior Year - Summer

- See advisor for certification details.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Theatre (B.F.A.)

College of Arts and Humanities

Department of Theatre,

Performing Arts Center, Room: T210A

<http://theatre.cah.ucf.edu/>

Email: theatre@ucf.edu

Be Boyd. Coordinator: Acting, Belinda.Boyd@ucf.edu

Bert Scott. Coordinator: Design & Tech, Bert.Scott@ucf.edu

Molly McCarter, Coordinator: Stage Management, molly.mccarter@ucf.edu

Phone: 407-823-2862

The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in either Acting, Stage Management, or Design & Technology. The BFA is also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

Admission Requirements

- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.

- The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at <http://www.theatre.ucf.edu>.

- An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See <http://www.theatre.ucf.edu> for details and to schedule an appointment.

- Design & Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student's best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a prompt book for presentation at their interview. See <http://www.theatre.ucf.edu>

- All Acting students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.

- All Design & Technology and Stage Management students must submit a resume, personal photo (formal head shot not required), three letters of recommendation, and transcripts of previous college work at the time of interview.

- All BFA students are accepted on a "Provisional" basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.

UCF Degree Programs

- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The BFA plan of study requires a fall start for proper course sequencing. Students are not accepted to begin in the Spring or Summer semesters.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program. Continuation in the BFA program requires a positive BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op credit cannot be used in this major
- Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department
- Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, one must be a front of house assignment, and the final one can be chosen by the student.
- Prior to graduation, all BFA Design & Technology and Stage Management majors (including transfers) must participate in at least 4 productions in addition to their Stagecraft I and II Labs. At least two participation credits must be in an advanced production position. The other two credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.
- All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department's Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.

- Design & Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.
- All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Students must follow the most recent department student handbooks which are available on the department website at <http://www.theatre.ucf.edu>.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Courses designated 1 (General Education Program) are taken throughout all four years.
- Design & Technology Students are required to take ARH 2051 as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible. Transfer students who have not completed ARH 2051 must complete the course at UCF.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

¹ Required	THE 2020	Survey of Theatre for Majors	3 hrs
² Required	ARH 2051	History of Western Art II	3 hrs

¹ This course is only taught during the fall semesters.

² Design & Technology Students select ARH 2051 (History of Western Art II)

C: Mathematical Foundations (6 hrs)

Math: (3 hrs)

Suggested	MGF 1107	Explorations in Mathematics	3 hrs
		or	
Suggested	MGF 1106	Finite Mathematics or	3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Test.			

Statistics - Computers (3 hrs)

Select a course from GEP C.2 list

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

¹ THE 2020	Survey of Theatre for Majors	GEP
¹ THE 2304	Script Analysis for Theatre	3 hrs
THE 2090L	Theatre Participation-Management I	1 hr
TPA 2290L	Theatre Participation-Production I	1 hr
¹ TPP 3310C	Directing for Theatre I	3 hrs

Acting (3 hrs)

- Acting specialization take Acting I. Design & Technology and Stage Management take Fundamentals of Acting

TPP 2110C	Acting I - Introduction or	3 hrs
TPP 2101	Fundamentals of Acting	3 hrs

Technical Theatre Production or Stagecraft I

- Acting Select Technical Theatre Production sequence. Design & Technology and Stage Management select Stagecraft I.

TPA 2201	Technical Theatre Production and	2 hrs
TPA 2201L	Technical Theatre Production Lab	1 hr

or		
TPA 2210	Stagecraft I	3 hrs



Acting II or Stagecraft II

■ Acting Specialization take Acting II. Design & Technology and Stage Management take Stagecraft II sequence.

TPP 2170C	Acting II -The Actor Prepares	3 hrs
or		
TPA 2211	Stagecraft II	3 hrs

Design Basics or Elective

■ Design & Technology and Stage Management select TPA 2000C. Acting Select Elective.

TPA 2000C	Theatre Design Basics	3 hrs
or		
	Theatre Elective offered by Theatre Department (DAA, THE, TPA, TPP Prefix)	3 hrs

¹ *See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (9 hrs)

THE 3311	Theatre History and Dramatic Literature I	3 hrs
THE 3312	Theatre History and Dramatic Literature II	3 hrs
THE 3313	Theatre History and Dramatic Literature III	3 hrs
THE 2081C	Introduction to UCF Theatre	3 hrs
THE 4954	Theatre Exit Critique	0 hrs

4. Core Requirements: Advanced Level (64 hrs)

Specialization: select one area

Acting Specialization

TPA 2248C	Makeup Techniques and	2 hrs
DAA 2200C	Ballet I and	2 hrs
TPP 2710C	Voice Production I and	2 hrs
TPP 3173C	Acting III - Building the Character and	3 hrs
TPP 3510C	Movement for the Actor I and	2 hrs
TPP 3513C	Movement for the Actor II and	2 hrs
TPP 4512C	Stage Combat and	2 hrs
TPP 3257C	Musical Theatre Voice I and	2 hrs
TPP 3258C	Musical Theatre Voice II and	2 hrs
TPP 3711C	Voice Production II and	2 hrs
TPP 3712C	Voice Production III and	2 hrs
TPP 4730C	Dialects and	2 hrs
TPP 4140C	Acting IV - Creating the Role and	3 hrs
TPP 4142C	Acting Verse and	3 hrs
TPP 4265C	Camera Acting and	3 hrs
TPP 4531C	Period Movement and	2 hrs
TPP 4221	Auditioning and	3 hrs
TPP 4223C	Theatre Careers for Performance and	3 hrs
TPP 2190L	Theatre Participation-Performance I and	1 hr
TPP 4940L	Theatre Internship and	6 hrs
	Restricted Electives (see list of courses)	12 hrs

Select 1: 2 hrs

DAA 2570C	Jazz Dance I or	2 hrs
DAA 2100C	Modern Dance I	2 hrs

Select 1: 1 hr

TPA 4298L	Theatre Participation-Production II or	1 hr
THE 4093L	Theatre Participation-Management II or	1 hr
TPP 4193L	Theatre Participation-Performance II	1 hr

Stage Management Specialization 58 hrs

TPA 2210L	Stagecraft I Lab and	1 hr
TPA 2211L	Stagecraft II Lab and	1 hr
¹ TPA 4298L	Theatre Participation-Production II and	1 hr
¹ TPA 4298L	Theatre Participation-Production II and	1 hr
TPA 4400	Theatre Management and	3 hrs
TPA 2010C	Scenography and	3 hrs
TPA 2220C	Stage Electronics and	3 hrs
TPA 2600	Stage Management Basics and	3 hrs
TPA 3601	Stage Management and	3 hrs
TPA 4602	Advanced Stage Management and	3 hrs
TPA 3195L	Summer Theatre Studio/Tech/Design I and	3 hrs
TPA 3197L	Summer Theatre Studio/Tech/Design II and	3 hrs
THE 4284	Period Costume, Architecture, and Decor I and	3 hrs
THE 4285	Period Costume, Architecture, and Decor II and	3 hrs
TPA 4401C	Theatre Careers in Production and	3 hrs
TPA 4250C	CADD for Theatre and	2 hrs
TPP 3103	Intermediate Acting and	3 hrs
TPA 2170C	Introduction to Theatre Production	2 hrs
	Documentation and	
TPP 4940L	Theatre Internship and	6 hrs
	Restricted Electives (see list of courses)	8 hrs

Select 1: 3 hrs

TPA 3060C	Scenic Design for Theatre I or	3 hrs
TPA 3045C	Costume Design for Theatre I	3 hrs

Select 1: 3 hrs

TPA 3223C	Lighting Design for Theatre I or	3 hrs
TPA 3265C	Sound Design for Theatre I	3 hrs

Design & Technology Specialization 64 hrs

ARH 2051	History of Western Art II and	GEP
TPA 2210L	Stagecraft I Lab and	1 hr
TPA 2211L	Stagecraft II Lab and	1 hr
TPA 2170C	Introduction to Theatre Production	2 hrs
	Documentation and	
TPA 2220C	Stage Electronics and	3 hrs
¹ TPA 4298L	Theatre Participation-Production II and	1 hr
¹ TPA 4298L	Theatre Participation-Production II and	1 hr
TPA 2071C	Theatre Rendering and	3 hrs
TPA 2010C	Scenography and	3 hrs
THE 4284	Period Costume, Architecture, and Decor I and	3 hrs
THE 4285	Period Costume, Architecture, and Decor II and	3 hrs
TPA 3195L	Summer Theatre Studio/Tech/Design I and	3 hrs
TPA 3197L	Summer Theatre Studio/Tech/Design II and	3 hrs
TPA 2230C	Costume Construction and	3 hrs
TPA 4250C	CADD for Theatre and	2 hrs
TPA 4251C	Advanced CADD for Theatre and	2 hrs
TPA 4401C	Theatre Careers in Production and	3 hrs
TPA 3077C	Scene Painting and	3 hrs
TPA 2600	Stage Management Basics and	3 hrs
TPA 3601	Stage Management and	3 hrs
TPA 4066C	Advanced Scenography and	3 hrs
TPP 4940L	Theatre Internship and	6 hrs
	Design Electives (see list of courses, choose three)	9 hrs

¹ This course is taken twice

5. Restricted Electives

■ (except where required for a specialization - see specializations for credit hours)

■ Choose from the following:

THE 4093L	Theatre Participation-Management II	1 hr
THE 3240	Musical Theatre Survey	3 hrs
THE 5307	Contemporary Theatre Practice	3 hrs
TPA 3077C	Scene Painting	3 hrs
TPA 3383C	Topics in Technical Theatre	2 hrs
TPA 3060C	Scenic Design for Theatre I	3 hrs
TPA 4061C	Scenic Design for Theatre II	3 hrs
TPA 3045C	Costume Design for Theatre I	3 hrs
TPA 3223C	Lighting Design for Theatre I	3 hrs
TPA 3265C	Sound Design for Theatre I	3 hrs
TPA 4041C	Costume Design for Theatre II	3 hrs
TPA 4224C	Lighting Design for Theatre II	3 hrs
TPA 4264C	Sound Design for Theatre II	3 hrs
TPA 4384C	Advanced Topics in Technical Theatre	3 hrs
TPA 3195L	Summer Theatre Studio/Tech/Design I	3 hrs
TPA 3197L	Summer Theatre Studio/Tech/Design II	3 hrs
TPA 2600	Stage Management Basics	3 hrs
TPA 3601	Stage Management	3 hrs
TPA 4400	Theatre Management	3 hrs
TPA 4298L	Theatre Participation-Production II	1 hr
TPP 3197L	Summer Theatre/Performance	3 hrs
TPP 3952L	Summer Studio Performance	3 hrs
THE 4284	Period Costume, Architecture, and Decor I	3 hrs
THE 4285	Period Costume, Architecture, and Decor II	3 hrs
TPP 4143C	Acting Styles	3 hrs
ARH 2050	History of Western Art I	3 hrs
TPA 2248C	Makeup Techniques	2 hrs
¹ THE 2025	Introduction to Theatrical Design	3 hrs
¹ TPP 4311C	Advanced Directing for Theatre	3 hrs
TPP 4193L	Theatre Participation-Performance II	1 hr
TPP 4243C	Circus Arts	2 hrs
¹ THE 3905	Directed Independent Study	1 hr
¹ DAA 3905	Directed Study	1 hr
¹ THE 4912	Directed Independent Research	1 hr
¹ DAA 4912	Directed Independent Research	1 hr
THE 4423	Women in Theatre	3 hrs
THE 4543	Theatre for Social Change	3 hrs
THE 4212	Global Theatre	3 hrs
THE 3383	Taboo Theatre: Sex & Violence on Stage	3 hrs
THE 3250	Sex, Drugs, & the Rock and Roll Musical	3 hrs
	Honors in the Major Directed Readings and Thesis	3 hrs



UCF Degree Programs

¹ Other THE, TPA, TPP, DAA, or DAN courses taught by and approved by the department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

Design Electives

- (for Design and Technology Specialization)

- Select three from the following:

TPA 3060C	Scenic Design for Theatre I	3 hrs
TPA 3045C	Costume Design for Theatre I	3 hrs
TPA 3223C	Lighting Design for Theatre I	3 hrs
TPA 3265C	Sound Design for Theatre I	3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- (variable)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course
- Maintain a Theatre GPA of "B" (3.0) or better
- Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF.
- Computer Competency met by STA 1063C, TPA 4250C, or a computer science course.
- **12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 129

Honors In Major

- None

Related Programs

- Art
- Film
- Music
- Theatre Studies

Certificates

- None

Related Minors

- Theatre
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

Advising Notes

- None

Transfer Notes

- Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.

- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
 - THE 2020 May use any introductory course, however, THE 2081C is a required course taught in conjunction with THE 2020. You must take THE 2081C at UCF. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective. 3 hrs
 - THE 2304 May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute. 3 hrs
 - TPA 2210 may be substituted with any introductory Stagecraft Course. Lab will still need to be taken. 3 hrs
 - TPA 2201 may be substituted with any introductory Stagecraft course. 3 hrs

- ¹ TPP 3310C Directing for Theatre I may be substituted with: TPP 2300 3 hrs

¹ Or any introductory Theatre Directing course.

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Theatre - Musical Theatre Track (B.F.A.)

College of Arts and Humanities

Department of Theatre,

Performing Arts Center, Room: 210A

<http://theatre.cah.ucf.edu>

Earl Weaver, Earl.Weaver@ucf.edu

Phone: 407-823-2862

The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre.

Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

Admission Requirements

- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.

■ The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at <http://www.theatre.ucf.edu>.

■ A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit <http://www.theatre.ucf.edu> for details.

■ All students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.

■ All BFA musical theatre students are accepted on a "Provisional" basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.

■ Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.

■ The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UC theatre production.

■ Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.

■ Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program.

■ Continuation in the BFA program requires a positive annual BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.

■ Co-op cannot be used in this major.

■ Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

■ Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

■ Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.

■ All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.

■ Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.

■ All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

■ Students must follow the most recent department student handbooks which are available on the department website at <http://www.theatre.ucf.edu>.

■ The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

■ Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

■ Courses designated 1 (General Education Program) are taken throughout all four years.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required	THE 2020	Survey of Theatre for Majors	3 hrs
Select one course from 1.B.1 list			3 hrs
Select one course from 1.B.1 or 1.B.2 list			3 hrs

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

or

May substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers 3 hrs

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

¹ THE 2020	Survey of Theatre for Majors	GEP
¹ THE 2304	Script Analysis for Theatre	3 hrs
THE 2090L	Theatre Participation-Management I	1 hr
TPA 2290L	Theatre Participation-Production I	1 hr
¹ TPA 2201	Technical Theatre Production	2 hrs
TPA 2201L	Technical Theatre Production Lab	1 hr
¹ TPP 3310C	Directing for Theatre I	3 hrs
TPP 2110C	Acting I - Introduction	3 hrs
TPP 2170C	Acting II - The Actor Prepares	3 hrs
Theatre Elective	(THE, TPP, TPA prefix)	3 hrs

¹ *See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (20 hrs)

MUT 1121	Music Theory and Musicianship I	4 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
DAA 2200C	Ballet I	2 hrs
DAA 2201C	Ballet II	2 hrs
DAA 2570C	Jazz Dance I	2 hrs
DAA 2571C	Jazz Dance II	2 hrs
DAA 2520C	Tap Dance I	2 hrs
TPA 2248C	Makeup Techniques	2 hrs
THE 2081C	Introduction to UCF Theatre	3 hrs



UCF Degree Programs

4. Core Requirements: Advanced Level (50 hrs)

TPP 3173C	Acting III - Building the Character	3 hrs
TPP 4140C	Acting IV - Creating the Role	3 hrs
TPP 3251	Musical Theatre Acting I	3 hrs
TPP 3252	Musical Theatre Acting II	3 hrs
THE 4244	Musical Theatre History I	3 hrs
THE 4245	Musical Theatre History II	3 hrs
THE 3311	Theatre History and Dramatic Literature I	3 hrs
THE 3312	Theatre History and Dramatic Literature II	3 hrs
TPP 3257C	Musical Theatre Voice I	2 hrs
TPP 3258C	Musical Theatre Voice II	2 hrs
TPP 4259C	Musical Theatre Voice III	2 hrs
TPP 4923C	Musical Theatre Voice IV	2 hrs
¹ TPP 4746C	Musical Theatre Repertoire	2 hrs
TPP 4940L	Theatre Internship	6 hrs
TPP 4253C	Musical Theatre Acting III	3 hrs
TPP 4223C	Theatre Careers for Performance	3 hrs
THE 4954	Theatre Exit Critique	0 hrs

Select 1: 2 hrs

- (1 credit course, must be taken twice)

TPA 4298L	Theatre Participation-Production II or	1 hr
THE 4093L	Theatre Participation-Management II or	1 hr
TPP 4193L	Theatre Participation-Performance II	1 hr

¹ (2 hr class must be taken twice)

Movement Electives 2 hrs

- Any DAA or DAN courses not already required, taught by the department, and with departmental approval.

Select 1: 2 hrs

TPP 4531C	Period Movement or	2 hrs
TPP 4512C	Stage Combat	2 hrs

5. Restricted Electives (1 hr)

- Chosen from the following

DAN 3134	Dance History I	3 hrs
DAA 3612	Dance Improvisation/Composition I	3 hrs
DAA 2100C	Modern Dance I	2 hrs
DAA 3684	Dance Performance	1 hr
DAA 2521C	Tap Dance II	2 hrs
DAA 3524C	Tap Dance III	2 hrs
DAA 3208C	Ballet III	2 hrs
DAA 2101C	Modern Dance II	2 hrs
DAA 3108C	Modern Dance III	2 hrs
DAA 2393C	World Dance	2 hrs
DAA 3645	Choreography Practicum	2 hrs
TPP 4730C	Dialects	2 hrs
TPP 4142C	Acting Verse	3 hrs
TPP 4265C	Camera Acting	3 hrs
TPP 4268C	Acting VII Advanced Acting For TV/Film	3 hrs
THE 4230	Cultural Diversity in Theater	3 hrs
¹ THE 5307	Contemporary Theatre Practice	3 hrs
TPA 3195L	Summer Theatre Studio/Tech/Design I	3 hrs
TPA 3197L	Summer Theatre Studio/Tech/Design II	3 hrs
TPP 3197L	Summer Theatre/Performance	3 hrs
TPP 3952L	Summer Studio Performance	3 hrs
TPP 4143C	Acting Styles	3 hrs
¹ TPA 2600	Stage Management Basics	3 hrs
TPA 4400	Theatre Management	3 hrs
THE 4284	Period Costume, Architecture, and Decor I	3 hrs
THE 4285	Period Costume, Architecture, and Decor II	3 hrs
TPP 4221	Auditioning	3 hrs
THE 3313	Theatre History and Dramatic Literature III	3 hrs
¹ TPP 4311C	Advanced Directing for Theatre	3 hrs
THE 4093L	Theatre Participation-Management II	1 hr
TPA 4298L	Theatre Participation-Production II	1 hr
TPP 4193L	Theatre Participation-Performance II	1 hr
TPA 3601	Stage Management	3 hrs
TPP 4512C	Stage Combat	2 hrs
TPP 4243C	Circus Arts	2 hrs
THE 4423	Women in Theatre	3 hrs
THE 4543	Theatre for Social Change	3 hrs
THE 4212	Global Theatre	3 hrs
THE 3383	Taboo Theatre: Sex & Violence on Stage	3 hrs
THE 3250	Sex, Drugs, & the Rock and Roll Musical	3 hrs
Honors in the Major	Directed Readings and Thesis	3-6 hrs
THE 4912	Undergraduate Research (see #1 footnote)	3-6 hrs
THE 3905	Independent Study (see #1 footnote)	1-9 hrs

¹ *Other THE, TPA, TPP, DAA or DAN courses not already required and as approved by the department requires instructor and departmental approval in advance.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- (variable)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course

- Maintain a Theatre GPA of "B" (3.0) or better

- Complete an Exit Survey, Exit Interview, and Audit

Check the semester prior to final semester of theatre classes

- Minimum of 60 theatre credits must be completed in residency at UCF

- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.

- Computer Competency met by STA 1063C or a computer science course.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 129

Honors in Major

- None

Related Programs

- Film
- Music
- Theatre Studies

Certificates

- None

Related Minors

- Music
- Film - Cinema Studies
- Theatre
- Dance

Advising Notes

- None

Transfer Notes

- Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.

- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.



Acceptable Substitutes for Transfer Courses

■ Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

¹ THE 2020	Survey of Theatre for Majors	3 hrs
may be substituted with:		
THE 2304	Script Analysis for Theatre	3 hrs
may be substituted with: THE 2303		
TPA 2201	Technical Theatre Production	2 hrs
may be substituted with: TPA 2210		
TPA 2201	Technical Theatre Production	2 hrs
may be substituted with: TPA 2200		
TPP 3310C	Directing for Theatre I	3 hrs
may be substituted with: TPP 2300		

¹ may use any introductory course. However, THE 2020 is a prerequisite for all theatre courses and may still need to be taken.

Plan of Study

■ None

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Theatre Studies (B.A.)

College of Arts and Humanities

Department of Theatre,

Performing Arts Center, Room: T210A

<http://theatre.cah.ucf.edu/>

Email: theatre@ucf.edu

Ciara Wilson, 407-823-2169

Phone: 407-823-2862

The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

Admission Requirements

- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit <http://www.theatre.ucf.edu>.
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at your interview appointment. Scholarship decisions are usually finalized in August.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from the program.
- Co-op credit cannot be used in this major.

■ Students must consult with a departmental advisor each semester before registering. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

■ Departmental Residency Requirement consists of at least 30 semester hours of courses taken from the UCF Theatre Department.

■ All BA Theatre Studies students must register for three semesters of Theatre Participation in addition to the Technical Theatre Production Lab. One Participation credit must be as part of a run crew. One Participation credit must be as part of a Front of House crew. The third required Participation credit can be in either performance, shop assignments, run crews or Front of House.

■ All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

■ Students must follow the most recent department student handbooks which are available on the department website at <http://www.theatre.ucf.edu>.

■ The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

■ Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.

■ Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP)	(36 hrs)
A: Communication Foundations	(9 hrs)
B: Cultural & Historical Foundations	(9 hrs)
Required THE 2020 Survey of Theatre for Majors	3 hrs
Select one course from 1.B.1 list	3 hrs
Select one course from 1.B.2 list	3 hrs

C: Mathematical Foundations			(6 hrs)
Math:			3 hrs
Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs
		or	
You may substitute a higher level math with appropriate scores on the Math Placement Test.			

Statistics - Computers	3 hrs
Select a course from GEP C.2 list	3 hrs

D: Social Foundations	(6 hrs)
E: Science Foundations	(6 hrs)

2. Common Program Prerequisites (CPP) **(20 hrs)**
■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

¹ THE 2020	Survey of Theatre for Majors	GEP
THE 2304	Script Analysis for Theatre	3 hrs
THE 2090L	Theatre Participation-Management I	1 hr
TPA 2290L	Theatre Participation-Production I	1 hr
¹ TPA 2201	Technical Theatre Production	2 hrs
TPA 2201L	Technical Theatre Production Lab	1 hr
¹ TPP 3310C	Directing for Theatre I	3 hrs
TPP 2700C	Stage Speech/Voice	3 hrs
¹ TPP 2101	Fundamentals of Acting	3 hrs
Theatre Elective (THE, TPP, TPA Prefix)		3 hrs

¹ See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level

■ None

UCF Degree Programs

4. Core Requirements: Advanced Level	(10 hrs)
THE 3311 Theatre History and Dramatic Literature I	3 hrs
THE 3312 Theatre History and Dramatic Literature II	3 hrs
THE 3313 Theatre History and Dramatic Literature III	3 hrs
THE 2081C Introduction to UCF Theatre	3 hrs
THE 4954 Theatre Exit Critique	0 hrs

Select 1:	1 hr
TPA 4298L Theatre Participation-Production II or	1 hr
THE 4093L Theatre Participation-Management II or	1 hr
TPP 4193L Theatre Participation-Performance II	1 hr

5. Restricted Electives	(16 hrs)
■ Select 16 hours from the following:	
THE 4230 Cultural Diversity in Theater	3 hrs
THE 3082 Theatre Careers	3 hrs
TPP 4143C Acting Styles	3 hrs
TPP 3264C Acting on Camera	3 hrs
THE 2025 Introduction to Theatrical Design	3 hrs
THE 3240 Musical Theatre Survey	3 hrs
¹ THE 4093L Theatre Participation-Management II	1 hr
¹ TPA 4298L Theatre Participation-Production II	1 hr
¹ TPP 4193L Theatre Participation-Performance II	1 hr
¹ THE 5307 Contemporary Theatre Practice	3 hrs
¹ TPA 2248C Makeup Techniques	2 hrs
THE 4284 Period Costume, Architecture, and Decor I	3 hrs
THE 4285 Period Costume, Architecture, and Decor II	3 hrs
TPA 3195L Summer Theatre Studio/Tech/Design I	3 hrs
TPA 3197L Summer Theatre Studio/Tech/Design II	3 hrs
¹ TPA 2600 Stage Management Basics	3 hrs
TPA 4400 Theatre Management	3 hrs
TPP 3103 Intermediate Acting	3 hrs
TPP 3197L Summer Theatre/Performance	3 hrs
TPP 3952L Summer Studio Performance	3 hrs
¹ TPP 4311C Advanced Directing for Theatre	3 hrs
TPA 3601 Stage Management	3 hrs
TPP 4243C Circus Arts	2 hrs
THE 4912 Directed Independent Research	1 hr
TPP 4512C Stage Combat	2 hrs
THE 4423 Women in Theatre	3 hrs
THE 4543 Theatre for Social Change	3 hrs
THE 4212 Global Theatre	3 hrs
THE 3383 Taboo Theatre: Sex & Violence on Stage	3 hrs
THE 3250 Sex, Drugs, & the Rock and Roll Musical	3 hrs
Any DAA or DAN courses taught by the theatre department with departmental approval	2 hrs
Honors in the Major Directed Readings and Thesis (see #1 footnote)	3 hrs

¹ Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

■ Theater Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor.

11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course.
- Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
- Complete an Exit Survey, and Exit Interview/Audit Check the semester prior to final semester of theatre classes.
- Minimum of 30 theatre credits must be completed in residency at UCF.
- Computer Competency met by the following or Computer Science Course:
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Art
- Film
- Music
- Theatre

Certificates

- None

Related Minors

- Art - Studio
- Music
- Film - Cinema Studies
- Theatre
- Dance

Advising Notes

- None

Transfer Notes

■ Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

¹ THE 2020 Survey of Theatre for Majors	3 hrs
may be substituted with:	
THE 2304 Script Analysis for Theatre	3 hrs
may be substituted with: THE 2300	
THE 2304 Script Analysis for Theatre	3 hrs
may be substituted with: THE 3305	
TPA 2201 Technical Theatre Production	2 hrs
may be substituted with: TPA 2210	
TPA 2201 Technical Theatre Production	2 hrs
may be substituted with: TPA 2200	
TPP 3310C Directing for Theatre I	3 hrs
may be substituted with: TPP 2300	
² TPP 2101 Fundamentals of Acting	3 hrs
may be substituted with:	

¹ may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.

² may use any introductory acting course

Plan of Study

- None



Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

World Languages Education - French (B.S.)

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

<http://www.education.ucf.edu/language>

Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu,
 407-823-5430

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement
- Meet the foreign language admission requirement

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)

- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Prefer	PHI 2010	Introduction to Philosophy	3 hrs

C: Mathematical Foundations (6 hrs)

Select 1: (3 hrs)

Prefer	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

Select 1: (3 hrs)

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

E: Science Foundations (6 hrs)

Prefer	PSC 1121	Physical Science	3 hrs

Select 1: (3 hrs)

Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

2. Common Program Prerequisites (CPP) (21 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
¹ EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
FRE 2201	Intermediate French Language and Civilization II	3 hrs
FRE 3300	French Grammar	3 hrs
FRE 3420	French Composition	3 hrs
FRW 3100	Survey of French Literature I	3 hrs

¹ In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (3 hrs)

EDF 2130	Child and Adolescent Development for Educators	3 hrs

4. Core Requirements: Advanced Level (60 hrs)

Education Core Requirements (18 hrs)

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

¹ EDG 4410	Teaching Strategies and Classroom Management	3 hrs
¹ EDF 4467	Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
² EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs

¹ Required prior to Internship I

² Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

Internship I (3 hrs)

- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.clinicalexperiences.education.ucf.edu>.
 FLE 3940 Internship 3 hrs

Specialization Requirements (24 hrs)

¹ FLE 4333	Foreign Language Teaching in the Secondary School	3 hrs
¹ FLE 4314	Foreign Language Teaching in Elementary Schools	3 hrs
FRE 3760	Advanced French Oral Communication	3 hrs
FRW 3101	Survey of French Literature II	3 hrs
² FRE 4421	Advanced French Conversation	3 hrs
² FRE 4422	Advanced French Composition	3 hrs
Upper division restricted electives (FRE/FRW 3/4XXX with advisor's consent)		6 hrs

¹ Required prior to Internship I.

² FRE 3410 and FRE 3423 may substitute for FRE 4421 and FRE 4422.

UCF Degree Programs

Other Cognate Requirements (Linguistics)

FRE 3780 French Phonetics and Diction

3 hrs

3 hrs

Internship II

12 hrs

■ At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Passing score on the Subject Area Examination (French K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.education.ucf.edu/clinicaexp/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

FLE 4941 Internship 12 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

■ None

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

■ Recommended Four Year Sequence of Courses

Freshman Year - Fall 12 hrs

ENC 1101 Composition I 3 hrs

PSY 2012 General Psychology 3 hrs

AMH 2010 U.S. History: 1492-1877 3 hrs

Select 1: 3 hrs

MGF 1106 Finite Mathematics or 3 hrs

MGF 1107 Explorations in Mathematics 3 hrs

Freshman Year - Spring 12 hrs

AMH 2020 U.S. History: 1877-Present 3 hrs

ENC 1102 Composition II 3 hrs

POS 2041 American National Government 3 hrs

PSC 1121 Physical Science 3 hrs

Freshman Year - Summer 6 hrs

PHI 2010 Introduction to Philosophy 3 hrs

SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall 15 hrs

EDF 2005 Introduction to the Teaching Profession 3 hrs

¹ EDF 2130 Child and Adolescent Development for 3 hrs

Educators

FRE 2201 Intermediate French Language and 3 hrs

Civilization II

Select 1: 3 hrs

STA 2014C Principles of Statistics or 3 hrs

STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Select 1: 3 hrs

ANT 2511 The Human Species or 3 hrs

BSC 1005 Biological Principles 3 hrs

¹ Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Spring 12 hrs

EDF 2085 Introduction to Diversity for Educators 3 hrs

EME 2040 Introduction to Technology for Educators 3 hrs

FRE 3300 French Grammar 3 hrs

FRW 3100 Survey of French Literature I 3 hrs

Sophomore Year - Summer 3 hrs

FRE 3420 French Composition 3 hrs

Junior Year - Fall 12 hrs

EDF 4467 Learning Theory and Assessment 3 hrs

EDG 4410 Teaching Strategies and Classroom 3 hrs

Management

EEX 4242 Teaching Exceptional Students in 3 hrs

Secondary Settings

TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Students in Schools

Junior Year - Spring 15 hrs

FRW 3101 Survey of French Literature II 3 hrs

FRE 3760 Advanced French Oral Communication 3 hrs

FRE 3780 French Phonetics and Diction 3 hrs

FRE 4422 Advanced French Composition 3 hrs

RED 4043 Content Reading in Kindergarten through 3 hrs

Grade 12

Junior Year - Summer 9 hrs

FLE 4314 Foreign Language Teaching in Elementary 3 hrs

Schools

FLE 4333 Foreign Language Teaching in the 3 hrs

Secondary School

¹ EDF 4603 Analysis and Application of Ethical, Legal, 3 hrs

and Safety Issues in Schools

¹ This course may be taken in the Fall of the senior year with consent of instructor.

Senior Year - Fall	12 hrs
FLE 3940 Internship	3 hrs
FRE 4421 Advanced French Conversation	3 hrs
Two upper division restricted electives (FRE/FRW 3/4XXX)	6 hrs

Senior Year - Spring	12 hrs
FLE 4941 Internship	12 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oemas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$12 per term
- Full-Time Student: \$24 per term

World Languages Education - Spanish (B.S.)

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

<http://www.education.ucf.edu/language>

Email: kverkler@mail.ucf.edu

Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu,

407-823-5430

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)

- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Prefer	PHI 2010	Introduction to Philosophy	3 hrs

C: Mathematical Foundations (6 hrs)

Prefer	MGF 1106	Finite Mathematics	3 hrs

Select 1: (3 hrs)

Prefer	STA 1063C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

E: Science Foundations			(6 hrs)
Prefer	PSC 1121	Physical Science	3 hrs

Select 1: (3 hrs)

Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

2. Common Program Prerequisites (CPP) (21 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
¹ EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
SPN 2201	Intermediate Spanish Language and Civilization II	3 hrs
SPN 3300	Advanced Spanish Grammar and Composition	3 hrs
SPN 3420	Spanish Composition	3 hrs
² SPW 3100	Survey of Spanish Literature I	3 hrs

¹ In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

² SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101

3. Core Requirements: Basic Level (3 hrs)

Other Program Requirements (3 hrs)

EDF 2130	Child and Adolescent Development for Educators	3 hrs
SPN 2201	Intermediate Spanish Language and Civilization II	CPP
SPN 3300	Advanced Spanish Grammar and Composition	CPP
SPN 3420	Spanish Composition	CPP
SPW 3100	Survey of Spanish Literature I	CPP

4. Core Requirements: Advanced Level (60 hrs)

Education Core Requirements (18 hrs)

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

¹ EDG 4410	Teaching Strategies and Classroom Management	3 hrs
¹ EDF 4467	Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
² EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs

¹ Required prior to Internship I

² Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

Internship I (3 hrs)

- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at

<http://www.clinicalexperiences.education.ucf.edu>.
FLE 3940 Internship 3 hrs



UCF Degree Programs

Specialization Requirements 21 hrs

¹ FLE 4333	Foreign Language Teaching in the Secondary School	3 hrs
¹ FLE 4314	Foreign Language Teaching in Elementary Schools	3 hrs
SPN 3760	Advanced Spanish Oral Communication	3 hrs
² SPW 3101	Survey of Spanish Literature II	3 hrs
SPN 3344	Advanced Spanish Native Fluency I	3 hrs
SPN 3345	Advanced Spanish Native Fluency II	3 hrs
SPN 4520	Latin American Civilization and Culture	3 hrs

¹ Required prior to Internship I

² SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101.

Upper Division Restricted Electives 6 hrs

■ Florida College System institution transfer students may substitute lower division restricted electives.

■ Select two upper division Spanish courses (SPN 3/4XXX) 6 hrs with advisor's consent. The following courses are recommended:

SPN 4410	Advanced Spanish Conversation	3 hrs
SPN 4421	Advanced Spanish Composition	3 hrs
SPN 4510	Spanish Civilization and Culture	3 hrs

Other Cognate Requirements 3 hrs

Select 1: 3 hrs

SPN 3852	Bilinguismo or	3 hrs
SPN 4800	Spanish-American Syntax or	3 hrs
SPN 4801	Spanish Morphosyntax	3 hrs

Internship II Block 12 hrs

■ At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Passing score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II. Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinical experiences.education.ucf.edu>.

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

FLE 4941	Internship	12 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

■ None

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

■ Recommended Four Year Sequence of Courses

Freshman Year - Fall 12 hrs

AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
PSY 2012	General Psychology	3 hrs

Freshman Year - Spring 12 hrs

AMH 2020	U.S. History: 1877-Present	3 hrs
ENC 1102	Composition II	3 hrs
POS 2041	American National Government	3 hrs
PSC 1121	Physical Science	3 hrs

Freshman Year - Summer 6 hrs

PHI 2010	Introduction to Philosophy	3 hrs
SPN 2201	Intermediate Spanish Language and Civilization II	3 hrs

Sophomore Year - Fall 15 hrs

EDF 2005	Introduction to the Teaching Profession	3 hrs
¹ EDF 2130	Child and Adolescent Development for Educators	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
SPN 3300	Advanced Spanish Grammar and Composition	3 hrs

Select 1: 3 hrs

STA 2014C	Principles of Statistics or	3 hrs
STA 1063C	Basic Statistics Using Microsoft Excel	3 hrs

¹ Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Spring 12 hrs

EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
SPN 3420	Spanish Composition	3 hrs

Select 1: 3 hrs

BSC 1005	Biological Principles or	3 hrs
ANT 2511	The Human Species	3 hrs



UCF Degree Programs

Sophomore Year - Summer		3 hrs	Senior Year - Fall		12 hrs
SPW 3100	Survey of Spanish Literature I	3 hrs	EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
Junior Year - Fall		15 hrs	FLE 3940	Internship	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs	Select 1:		3 hrs
SPN 3344	Advanced Spanish Native Fluency I	3 hrs	SPN 4410	Advanced Spanish Conversation or	3 hrs
SPN 3760	Advanced Spanish Oral Communication	3 hrs	SPN 4421	Advanced Spanish Composition or	3 hrs
SPW 3101	Survey of Spanish Literature II	3 hrs	SPN 4510	Spanish Civilization and Culture	3 hrs
SPN 4520	Latin American Civilization and Culture	3 hrs	Select 1:		3 hrs
Junior Year - Spring		12 hrs	SPN 3852	Bilinguismo or	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs	SPN 4800	Spanish-American Syntax or	3 hrs
SPN 3345	Advanced Spanish Native Fluency II	3 hrs	SPN 4801	Spanish Morphosyntax	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs	Senior Year - Spring		12 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs	FLE 4941	Internship	12 hrs
Junior Year - Summer		9 hrs	Program Academic Learning Compacts		
FLE 4314	Foreign Language Teaching in Elementary Schools	3 hrs	■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm		
FLE 4333	Foreign Language Teaching in the Secondary School	3 hrs	Equipment Fees		
¹ EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs	■ Part-Time Student: \$12 per term		
			■ Full-Time Student: \$24 per term		

¹ This course may be taken in the Fall of the senior year with consent of Instructor.



MINORS AND CERTIFICATES

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student's baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the "Intent to Graduate Form." However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

Minors

Accounting
Actuarial Science
Aerospace Studies
Africana Studies
Aging Studies
American Studies
Anthropology
Anthropology in Multicultural Studies
Art - Studio
Art Education
Art History
Asian Studies
Astronomy
Bioengineering
Biology
Biomedical Sciences
Business
Chemistry
Coaching
Cognitive Sciences
Communication Sciences and Disorders
Community Arts - PAVE
Computer Science
Crime, Law, and Deviance
Criminal Justice
Dance
Digital Humanities
Digital Media
Diplomacy
Diversity and Social Inequality
Early Childhood
Development and Education
Economic Policy
Economics
Education
Emergency Management
and Homeland Security
Energy and Sustainability
Engineering Leadership
English - Creative Writing
English - Linguistics
English - Literature
English - Technical Communication
English Language Arts Education
Entrepreneurship
Environmental Studies
European Studies
Event Management
Exceptional Student Education
Film - Cinema Studies
Finance
Fitness Training
French
Global Peace and Security Studies
Health Informatics
and Information Management
Health Sciences
Health Services Administration
History

Hospitality Management
Human Communication
Humanities
Information Technology
Intelligent Robotic Systems
International and Global Studies
International Business
International Engineering
Italian
Journalism Studies
Judaic Studies
Latin American Area Studies
Leadership Studies
Legal Studies
Magazine Journalism
Marketing
Mass Communication
Mass Culture and Collective Behavior
Mathematical Biology
Mathematics
Mathematics Education
Medical Anthropology
Medical Sociology
Medieval and Renaissance Studies
Middle Eastern Studies
Military Science
Music
Nonprofit Management/National Certification
Program in Nonprofit Management
North American Indian Studies
Performing Arts Administration
Philosophy
Philosophy, Religion and Popular Culture
Physics
Political Science
Political Science/Prelaw
Psychology
Public Administration
Real Estate
Recreation
Religion and Cultural Studies
Russian Studies
Science Education
Secure Computing and Networks
Social Science Education
Sociology
Spanish
Sport Business Management
Statistics
Technical Education and Industry Training
Technological Entrepreneurship
Theatre
Urban and Regional Planning
Women's Studies
World Comparative Studies
World Languages Education -
English for Speakers of Other Languages
World Languages Education -
Languages Other Than English
Writing and Rhetoric

Certificates

Aging Studies Certificate
Behavioral Forensics Certificate
Children's Services Certificate
Crime Analysis and Crime Mapping
Certificate
Crime Scene Investigation Certificate
Criminal Profiling Certificate
Cultural Tourism Certificate
Diplomacy Certificate
Educational Studies Certificate
Finance: Banking Certificate
Finance: Corporate Finance Certificate
Finance: Investments Certificate
Health Communications Certificate
Judaic Studies Certificate
Language Development and Disorders
Certificate
Leadership Studies Certificate
Marketing: e-Marketing Certificate
Marketing: Entertainment Marketing
Certificate
Marketing: Healthcare Marketing
Certificate
Marketing: Retailing Management
Certificate
Marketing: Selling and Sales Management
Certificate
Marketing: Services Marketing Certificate
Marketing: Sport Marketing Management
Certificate
Native American Studies Certificate
Nonprofit Management Certificate
Public and Professional Writing Certificate
Real Estate: Mortgage Brokerage
Certificate
Real Estate: Real Estate Appraisal
Certificate
Real Estate: Real Estate Brokerage
Certificate
Security Management Certificate
Service-Learning Certificate
Substitute Teaching Certificate
Teaching English as a Foreign Language
Certificate
Translation and Interpretation Certificate
Victim Advocacy Certificate
Women's Studies Certificate



Accounting - Minor

College of Business Administration

Kenneth G. Dixon School of Accounting,

Business Administration II, Room: 101

<http://web.bus.ucf.edu/accounting>

Phone: 407-823-2184

For Business and Non-Business Majors.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (9 hrs)

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
ACG 3131	Intermediate Financial Accounting I	3 hrs

Restricted Electives (12 hrs)

Select 4:

- At least three courses must have either an ACG or TAX prefix

ACG 3361	Cost Accounting I	3 hrs
ACG 3141	Intermediate Financial Accounting II	3 hrs
ACG 3501	Financial Accounting for Governmental and Nonprofit Organizations	3 hrs
ACG 4401C	Accounting Information Systems	3 hrs
ACG 4651	Auditing	3 hrs
TAX 4001	Taxation of Business Entities and Transactions	3 hrs
FIN 3414	Intermediate Corporate Finance	3 hrs
FIN 4453	Financial Models	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Actuarial Science - Minor

College of Sciences

Department of Statistics,

Technology Commons II, Room: 212

<http://statistics.cos.ucf.edu/>

Dr. David Nickerson, david.nickerson@ucf.edu, 407-823-5528

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will

satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

Minor Admission Requirements

- Students need to complete the prerequisite courses.

Minor Requirements

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.
- Students are expected to have completed some of the following courses as part of their GEP requirement.

ECO 2013	Principles of Macroeconomics	3 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
STA 2023	Statistical Methods I	3 hrs
STA 4163	Statistical Methods II	3 hrs
STA 4164	Statistical Methods III	3 hrs
STA 4321	Statistical Theory I	3 hrs
STA 4322	Statistical Theory II	3 hrs

Required Courses (25 hrs)

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs
FIN 3403C	Business Finance	4 hrs
STA 4183	Theory of Interest	3 hrs
STA 4184	Introduction to Derivative Markets	3 hrs
STA 4186	Theory of Derivative Pricing	3 hrs
STA 4852	Applied Time Series	3 hrs

Restricted Electives

- No additional courses are required.

Foreign Language Requirements

- No Foreign Language is required.

Total Semester Hours Required

- 25

Other Requirements

- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Any course substitutions must be approved by the program coordinator in advance of their being taken.

Aerospace Studies - Minor

College of Engineering and Computer Science

Air Force ROTC, ROTC Trailer, Room: 103

Colonel Todd M. Freece

Phone: 407-823-1247

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (16 hrs)

AFR 1101C	The Air Force Today I	1 hr
AFR 1111C	The Air Force Today II	1 hr
AFR 2130C	The Development of Air Power I	1 hr
AFR 2131C	The Development of Air Power II	1 hr
AFR 3220C	Air Force Leadership and Management I	3 hrs
AFR 3230C	Air Force Evaluation and Management II	3 hrs
AFR 4201C	National Security Affairs and Prep for Active Duty I	3 hrs
AFR 4210C	National Security Affairs and Prep for Active Duty II	3 hrs

Minors

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 16

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Africana Studies - Minor

College of Arts and Humanities

Colbourn Hall, Room: 110

<http://www.aas.cah.ucf.edu/>

Anthony Major, Director, anthony.major@ucf.edu, 407-823-0026

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, Theatre and the Sciences.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (12 hrs)

AFA 3102	Introduction to Africana Studies: A Multidisciplinary Approach	3 hrs
AFA 3104	The Black Intellectual Experience	3 hrs
AFA 3006	The African Diaspora: Theories and Movements	3 hrs

Select 1: 3 hrs

AFA 4242	Contemporary Issues in Africana Studies	3 hrs
AFA 4105	Documenting Africana Heritage and Life	3 hrs

Restricted Electives (6 hrs)

- Additional courses may be used only with the prior permission of the program Director.
- Select two courses from one of the following areas of specialization.

General-Interdisciplinary 6 hrs

■	Select two from the following	
AML 3613	Narratives of Slavery or	3 hrs
ANT 3319	Anthropology of Diaspora or	3 hrs
FIL 3831	Black Cinema or	3 hrs
INR 3250	Politics of Pan-Africanism or	3 hrs
LAS 4023	African Caribbean Experience or	3 hrs
LIT 3192	Caribbean Literature or	3 hrs
SOP 3724	Psychology of Prejudice or	3 hrs
SYD 3700	Race and Ethnicity or	3 hrs
WST 3460	Women, Race and Struggle or	3 hrs
POT 4345	Pan-Africanist Thought	3 hrs

Caribbean/Central, South America 6 hrs

■	Select two from the following	
AFA 3955	Study Abroad in Eastern Caribbean or	6 hrs
AML 3615	Harlem, Haiti, and Havana or	3 hrs
ANT 4340	Caribbean Cultures or	3 hrs
FIL 3831	Black Cinema or	3 hrs
LAH 3470	History of the Caribbean or	3 hrs

LAS 4023	African Caribbean Experience or	3 hrs
LIT 3192	Caribbean Literature	3 hrs

North American 6 hrs

■	Select two from the following	
AFA 2300	African American Music or	3 hrs
AFA 3371	Evolution of Hip Hop or	3 hrs
AFA 3420	Malcolm X, Black Nationalism, and Internationalism or	3 hrs
AMH 3403	History of the South Since 1865 or	3 hrs
AMH 3572	Black American History II or	3 hrs
AML 3613	Narratives of Slavery or	3 hrs
AML 3614	Topics in African-American Literature or	3 hrs
AML 3615	Harlem, Haiti, and Havana or	3 hrs
ANT 3398	Black/Seminole Relations or	3 hrs
FIL 3831	Black Cinema or	3 hrs
MUL 2016	Evolution of Jazz or	3 hrs
PHP 3781	African-American Philosophy or	3 hrs
POS 4622	Politics and Civil Rights or	3 hrs
PUP 3314	Minorities in American Politics	3 hrs

African Continental 6 hrs

■	Select two from the following	
AFH 3100	African History to 1870 or	3 hrs
AFH 3200	African History Since 1870 or	3 hrs
ANT 4352	African Societies and Cultures or	3 hrs
ARH 3520	African Art or	3 hrs
FIL 3831	Black Cinema or	3 hrs
INR 3250	Politics of Pan-Africanism or	3 hrs
INR 3253	International Politics of Africa or	3 hrs
MUL 2016	Evolution of Jazz or	3 hrs
PHI 3790	African Philosophy	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.
- All minors are required to attend an orientation session at beginning of the first semester after the minor is declared.
- Complete an exit survey and audit check in the graduating semester.

Aging Studies - Minor

College of Health and Public Affairs

School of Social Work,

Health & Public Affairs I, Room: 204

Email: socialwk@ucf.edu

Dr. Denise Gammonley

Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.



Minor Admission Requirements

- None

Minor Requirements

- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses

- None

Required Courses (6 hrs)

GEY 3001	Gerontology: An Interdisciplinary Overview	3 hrs
■ Select One:		
HSA 4941	Internship	3 hrs
PSY 3951	Undergraduate Field Work	3 hrs
SYP 4941	Internship	3 hrs
¹ SOW 4510	Field Education	9 hrs
² SOW 4941	Internship	9 hrs

¹ For full-time social work majors. Cannot be used with SOW 4941.

² For part-time social work majors. Cannot be used with SOW 4510.

Restricted Electives (12 hrs)

- Students select FOUR additional courses from the following courses: A maximum of TWO courses must be taken in the College of Health and Public Affairs and at least TWO courses must be taken from other colleges.

College of Health and Public Affairs

HSA 4220	Long Term Patient Management	3 hrs
HSA 3222	Long Term Care and Administration	3 hrs
HSC 4564	Health Care Needs of the Elderly	3 hrs
PLA 4530	Legal Issues of the Elderly	3 hrs
SOW 4645	Social Services for the Elderly	3 hrs
NUR 4286	Gerontologic Nursing	3 hrs
SOW 3740	Social Work Practice with Loss & Life's Transitions	3 hrs

Other Colleges

DEP 3464	Psychology of Aging	3 hrs
SYP 4730	Patterns of Aging in Society	3 hrs
¹ GEY 5007	Women and Healthy Aging	3 hrs
SYP 4732	Minority Aging	3 hrs

¹ Open to undergraduates with senior standing

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

American Studies - Minor

College of Arts and Humanities

CAH Dean's Office, Room: 190

<http://www.cah.ucf.edu/>

Lynn Hepner, lynn.hepner@ucf.edu

Phone: 407-823-2251

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

Literature and Humanities

Select 1: (3 hrs)

AML 3031	American Literature I or	3 hrs
AML 4101	American Novel or	3 hrs
AML 4261	Literature of the South or	3 hrs
AML 3682	Ethnic Literature in America	3 hrs

Social Sciences

Select 1: (3 hrs)

POS 3413	The American Presidency or	3 hrs
POT 3204	American Political Thought or	3 hrs
SYD 3700	Race and Ethnicity or	3 hrs
SYP 3630	Popular Culture In Society	3 hrs

History

Select 1: (3 hrs)

AMH 3561	Women in American History I or	3 hrs
AMH 4110	Colonial America, 1607-1763 or	3 hrs
AMH 4130	The Age of the American Revolution, 1763-1789 or	3 hrs
AMH 4311	American Culture I or	3 hrs
AMH 4313	American Culture II	3 hrs

Restricted Electives

- 12 additional upper level hours. Select courses not already used from lists above.

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- Students must earn at least a "C" (2.0) in each course used to satisfy the minor.
- At least eighteen credit hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 9 hours may be taken in one area.

Anthropology - Minor

College of Sciences

Department of Anthropology,

Howard Phillips Hall, Room: 309

<http://www.cos.ucf.edu/anthropology>

Email: anthropology@ucf.edu

Dr. Arlen Chase

Phone: 407-823-2227

The Anthropology minor develops a student's holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

Minor Admission Requirements

- The minor is not open to Anthropology majors.

Minor Requirements

- Students must earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (3 hrs)

ANT 2000	General Anthropology	3 hrs

Minors

Restricted Electives

A. Concentration in General Anthropology

(15 hrs)

ANT 2140	Archaeology and the Rise of Human Culture	3 hrs
ANT 2410	Cultural Anthropology	3 hrs
ANT 2511	The Human Species	3 hrs
Select additional upper level (3000-5999) Anthropology courses		6 hrs

B. Concentration in Archaeology

15 hrs

ANT 2140	Archaeology and the Rise of Human Culture	3 hrs

Complete at least four of the following courses;

12 hrs

ANT 3106	Archaeology and Popular Culture or	3 hrs
ANT 3115	Archaeological Method and Theory or	3 hrs
ANT 3142	Old World Prehistory or	3 hrs
ANT 3145	Archaeology of Complex Societies or	3 hrs
ANT 3148	Life and Death in Ancient Egypt or	3 hrs
ANT 3152	Indians of the Southwest or	3 hrs
ANT 3158	Florida Archaeology or	3 hrs
ANT 3160	Americas Before Columbus or	3 hrs
ANT 3161	Archaeology of Mexico or	3 hrs
ANT 3163	Mesoamerican Archaeology or	3 hrs
ANT 3164	Ancient Incas or	3 hrs
ANT 3165	Archaeology of South America or	3 hrs
ANT 3168	Maya Archaeology or	3 hrs
ANT 3173	Archaeology of Sex or	3 hrs
ANT 3177	Archaeology of Caribbean Piracy or	3 hrs
ANT 4153	North American Archaeology or	3 hrs
ANT 4180C	Seminar in Laboratory Analysis or	3 hrs
¹ ANT 4183	Archaeological Sciences or	3 hrs
¹ ANT 4184	Mortuary Archaeology or	3 hrs
ANT 4824	Advanced Archaeological Fieldwork or	9 hrs
ANG 5166	Problems in Maya Studies or	3 hrs
ANG 5167	Maya Hieroglyphs or	3 hrs
ANG 5228	Maya Iconography or	3 hrs
ANG 5822	Maya Field Research	3 hrs

¹ or its graduate equivalent.

C. Concentration in Physical Anthropology

15 hrs

ANT 2511	The Human Species	3 hrs

Select from the following courses;

12 hrs

ANT 3148	Life and Death in Ancient Egypt or	3 hrs
ANT 3541	Biobehavioral Anthropology or	3 hrs
ANT 3550C	Primatology or	3 hrs
ANT 4183	Archaeological Sciences or	3 hrs
¹ ANT 4184	Mortuary Archaeology or	3 hrs
ANT 4462	Medical Anthropology or	3 hrs
¹ ANT 4467	Nutritional Anthropology or	3 hrs
ANT 4516	Human Biological Diversity or	3 hrs
ANT 4521	Forensic Anthropology or	3 hrs
ANT 4525C	Human Osteology or	4 hrs
ANT 4560	Anthropological Perspectives on Human Growth or	3 hrs
ANT 4586C	Human Origins or	3 hrs
ANG 5742	Problems in Forensic Anthropology	3 hrs

¹ or its graduate equivalent.

D. Concentration in Cultural Anthropology

15 hrs

ANT 2410	Cultural Anthropology	3 hrs

Select from the following courses;

12 hrs

ANT 3152	Indians of the Southwest or	3 hrs
ANT 3164	Ancient Incas or	3 hrs
ANT 3212	Peoples of the World or	3 hrs
ANT 3241	Magic, Ritual, and Belief or	3 hrs
ANT 3245	Native American Religions or	3 hrs
ANT 3262	Rural Society or	3 hrs
ANT 3273	Law and Culture or	3 hrs
ANT 3302	Sex, Gender and Culture or	3 hrs
ANT 3311	Indians of the Southeastern United States or	3 hrs
ANT 3312	Ethnology of North American Indians or	3 hrs
ANT 3313	Indians of North America High Plains or	3 hrs
ANT 3398	Black/Seminole Relations or	3 hrs
¹ ANT 4332	People and Cultures of Latin America or	3 hrs
¹ ANT 4303	Anthropology of Tourism or	3 hrs
ANT 3701	Applied Anthropology or	3 hrs

¹ ANT 4702	Culture, Power and Development or	3 hrs
ANT 4802	Ethnographic Field Methods or	3 hrs
ANT 3363	Anthropology of Japan or	3 hrs
¹ ANT 3610	Language and Culture or	3 hrs
¹ ANT 4340	Caribbean Cultures or	3 hrs
ANT 3319	Anthropology of Diaspora or	3 hrs
ANT 4034	History of Anthropological Thought or	3 hrs
ANT 4266	Economic Anthropology: Production, Consumption, and Exchange or	3 hrs
ANT 4352	African Societies and Cultures or	3 hrs
ANT 4408	Culture, Disease, and Healing or	3 hrs
ANG 5167	Maya Hieroglyphs or	3 hrs
ANG 5228	Maya Iconography or	3 hrs
ANG 5622	Language, Culture and Pedagogy	3 hrs

¹ or its graduate equivalent.

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 18

Other Requirements

■ No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Anthropology in Multicultural Studies - Minor

College of Sciences

Department of Anthropology,

Howard Phillips Hall, Room: 309

<http://www.cos.ucf.edu/anthropology>

Email: anthropology@ucf.edu

Dr. Arlen Chase

Phone: 407-823-2227

This minor develops a student's understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

Minor Admission Requirements

■ None

Minor Requirements

■ Students must earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.

■ At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses

■ Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (3 hrs)

Select from;

ANT 2000	General Anthropology or	3 hrs
ANT 2410	Cultural Anthropology	3 hrs

Restricted Electives

(15 hrs)

■ Select from the following. Substitutions require prior consent of the Anthropology Coordinator.

ANT 3164	Ancient Incas	3 hrs
ANT 3212	Peoples of the World	3 hrs
ANT 3241	Magic, Ritual, and Belief	3 hrs
ANT 3245	Native American Religions	3 hrs
ANT 3302	Sex, Gender and Culture	3 hrs
ANT 3312	Ethnology of North American Indians	3 hrs
ANT 3319	Anthropology of Diaspora	3 hrs
ANT 3398	Black/Seminole Relations	3 hrs
ANT 3541	Biobehavioral Anthropology	3 hrs
¹ ANT 3610	Language and Culture	3 hrs
ANT 3701	Applied Anthropology	3 hrs
ANT 4266	Economic Anthropology: Production, Consumption, and Exchange	3 hrs
¹ ANT 4303	Anthropology of Tourism	3 hrs



¹ ANT 4332	People and Cultures of Latin America	3 hrs
¹ ANT 4340	Caribbean Cultures	3 hrs
ANT 4408	Culture, Disease, and Healing	3 hrs
¹ ANT 4467	Nutritional Anthropology	3 hrs
ANT 4516	Human Biological Diversity	3 hrs
¹ ANT 4702	Culture, Power and Development	3 hrs
SYD 3700	Race and Ethnicity	3 hrs

¹ or its graduate equivalent, but not both.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

Art - Studio - Minor

College of Arts and Humanities

School of Visual Arts and Design,

Visual Arts Building, Room: 117

<http://svad.cah.ucf.edu/>

Email: svadadvising@ucf.edu

Phone: 407-823-2676

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

ARH 2050	History of Western Art I	3 hrs
ARH 2051	History of Western Art II	3 hrs
ART 2201C	Design Fundamentals-Two Dimensional	3 hrs
ART 2203C	Design Fundamentals-Three Dimensional	3 hrs
ART 2300C	Drawing Fundamentals I	3 hrs
ART 2301C	Drawing Fundamentals II	3 hrs
ART 3950	Portfolio Review	0 hrs

Restricted Electives (6 hrs)

- Six semester hours of studio art in one area of specialization at the 3000-4000 level

Foreign Language Requirements

- None

Total Semester Hours Required

- 24

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Co-op, Independent Study, Directed Research, or Internship credit cannot be used in the minor.

- Students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.

Art Education - Minor

College of Education and Human Performance

School of Teaching, Learning, and Leadership

<http://education.ucf.edu/>

Dr. Thomas Brewer, ED 122U, Thomas.Brewer@ucf.edu, 407-823-3714

This minor is not available to Art Education majors. This minor is well-suited for students enrolled in the School of Visual Arts and Design or Interdisciplinary Studies students with a concentration in Art.

Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements

- Students should see an advisor prior to registering for classes.
- Students must complete 18 SH of co-requisites and course prefixes could be ARE, ART, ARH, or GRA.
- At least 12 hours in the minor must be earned at UCF.
- Students must have a grade of C- or better in all courses required for minor.

Prerequisite Courses

- None

Required Courses

Credit Hour Requirement 18 hrs

EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
ARE 4351	Teaching Art in the Elementary School	3 hrs
ARE 4352	Teaching Art in the Secondary School	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- None

Art History - Minor

College of Arts and Humanities

School of Visual Arts and Design,

Visual Arts Building, Room: 117

<http://svad.cah.ucf.edu/>

Email: svadadvising@ucf.edu

Phone: 407-823-2676

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an

Minors

understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

Select 4:		(15 hrs)
ARH 2050	History of Western Art I or	3 hrs
ARH 2051	History of Western Art II or	3 hrs
ARH 4310	Italian Renaissance Art or	3 hrs
ARH 4430	19th Century Art or	3 hrs
ARH 4450	20th Century Art	3 hrs

Non-Western/Ancient Course Requirement

Select 1:		(3 hrs)
ARH 3520	African Art or	3 hrs
ARH 3670	20th Century Latin American Art or	3 hrs
ARH 4130	Greek Art and Architecture or	3 hrs
ARH 4150	Roman Art and Architecture or	3 hrs
ARH 4540	Art of India or	3 hrs
ARH 4653	Meso American Art	3 hrs

Restricted Electives

Select 1:		(3 hrs)
ARH 4200	Medieval Art or	3 hrs
ARH 4350	Baroque Art or	3 hrs
ARH 4800	Theory and Criticism of the Visual Arts or	3 hrs
ARH 4871	Women in Art	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Co-op, Independent Study, Directed Research, or Internship credit cannot be used in the minor.

Asian Studies - Minor

College of Arts and Humanities

<http://www.cah.ucf.edu/>

Dr. Paul Giordano, 407-823-2472

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

HUM 3401	Asian Humanities	(3 hrs)

3 hrs

Restricted Electives

- Approved courses (see department for listing)

Foreign Language Requirements

- One year or the equivalent proficiency examination (0-8 hrs). Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g. Chinese, Japanese).

Total Semester Hours Required

- 21

Other Requirements

- Students must earn at least a "C" (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

Astronomy - Minor

College of Sciences

Department of Physics,

Physical Sciences Building, Room: 430

Email: physics@ucf.edu

Dr. Humberto Campins

Phone: 407-823-2325

Minor Admission Requirements

- The minor is not open to Physics majors with an Astronomy specialization.

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses

- Most courses for this minor will have prerequisites completed as a part of a student's GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses

AST 2002	Astronomy	(19 hrs)
PHY 2048C	Physics for Engineers & Scientists I	3 hrs
AST 4152	Planetary Geophysics	4 hrs
AST 3211	Stellar Astrophysics	3 hrs
AST 3402	Galaxies and Cosmology	3 hrs
AST 4700	Experimental Methods in Astronomy	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.



Bioengineering - Minor

College of Engineering and Computer Science
Engineering, Room: 107

<http://www.cecs.ucf.edu/minors/bioengineering>

Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-5778

Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Professional Advisement or the Pre-Health Professions Advisement office. The minor constitutes up to: (a) for the engineering track 21 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 17 hours of coursework over the requirements for a bachelors of science degree in computer science at UCF.

Minor Admission Requirements

■ Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school unweighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Minor Requirements

■ None

Prerequisite Courses

■ None

Required Courses

		(35 hrs)
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
BSC 2010C	Biology I	4 hrs
BSC 2011C	Biology II	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
CHM 2211	Organic Chemistry II	3 hrs
EGN 4941	Internship	1 hr

Restricted Electives (6 hrs)

■ Students will select either the Engineering Track or Computer Science Track to define their elective choices.

Engineering Track

Select 1: 3 hrs

EMA 5584	Biomaterials or	3 hrs
EML 5760	Biofluid Mechanics or	3 hrs
EEE 5272	Biomedical Sensors or	3 hrs
EES 4111C	Biological Process Control or	3 hrs
EIN 5248C	Ergonomics	3 hrs

Select 1: 3 hrs

CAP 5512	Evolutionary Computation or	3 hrs
BCH 4053	Biochemistry I or	3 hrs
BSC 3403C	Quantitative Biological Methods or	4 hrs
BSC 5418	Tissue Engineering or	3 hrs
MCB 3020C	General Microbiology or	5 hrs
PCB 3522	Molecular Biology I or	3 hrs
PCB 3703C	Human Physiology or	4 hrs
ZOO 3733C	Human Anatomy or	4 hrs
ZOO 3744	Neurobiology or	3 hrs
PCB 3063	Genetics	3 hrs

Computer Science Track

Select 1: 3 hrs

CAP 5512	Evolutionary Computation or	3 hrs
COT 6417	Algorithms on Strings and Sequences	3 hrs

Select 1: 3 hrs

BCH 4053	Biochemistry I or	3 hrs
BSC 3403C	Quantitative Biological Methods or	4 hrs
BSC 5418	Tissue Engineering or	3 hrs
MCB 3020C	General Microbiology or	5 hrs
PCB 3522	Molecular Biology I or	3 hrs
PCB 3703C	Human Physiology or	4 hrs
ZOO 3733C	Human Anatomy or	4 hrs
ZOO 3744	Neurobiology or	3 hrs
PCB 3063	Genetics	3 hrs

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 41

Other Requirements

- Open only to engineering and computer science majors.
- A grade of "B" (3.0) or better is required in each course used to satisfy the minor.
- The Bachelors of Science must be completed in order for the minor to be awarded.

Biology - Minor

College of Sciences

Department of Biology, Biology, Room: 301

<http://www.cos.ucf.edu/biology>

Email: biology@ucf.edu

F. Logiudice

Phone: 407-823-2141

Minor Admission Requirements

■ The minor is not open to Biology or Biology Preprofessional majors.

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Biology.

Prerequisite Courses

■ Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (31 hrs)

BSC 2010C	Biology I	4 hrs
BSC 2011C	Biology II	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs

or, depending on Chemistry Placement score 6 hrs

CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2210	Organic Chemistry I	3 hrs
PCB 3023	Molecular Cell Biology	3 hrs
PCB 3044	Principles of Ecology	3 hrs
PCB 3063	Genetics	3 hrs
PCB 4683	Evolutionary Biology	4 hrs

Restricted Electives

■ None

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 31

Other Requirements

- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.



Minors

Biomedical Sciences - Minor

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology,

Health & Public Affairs II, Room: 335

<http://www.biomed.ucf.edu>

Email: bcbsinfo@mail.ucf.edu

Dr. Richard Peppler, Interim Director

Phone: 407-823-5932

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses		(23 hrs)
BSC 2010C	Biology I	4 hrs
MCB 3020C	General Microbiology	5 hrs
PCB 3233L	Immunology Laboratory	1 hr
PCB 3522	Molecular Biology I	3 hrs
PCB 4524	Molecular Biology II	3 hrs
BSC 3403C	Quantitative Biological Methods	4 hrs

Select 1:		3 hrs
PCB 3233	Immunology or	3 hrs
PCB 4280	Molecular Immunology	3 hrs

Restricted Electives (7 hrs)

- At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Foreign Language Requirements

- None

Total Semester Hours Required

- 30

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Business - Minor

College of Business Administration

Undergraduate Student Services BA2, 101, 407-823-2184

Not available to Business majors.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses		(18 hrs)
BUL 3130	Legal and Ethical Environment of Business	4 hrs
FIN 2100	Personal Finance and Investments	3 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs

Select 1:		3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the College of Business.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Chemistry - Minor

College of Sciences

Department of Chemistry,

Physical Sciences Building, Room: 255

<http://www.cos.ucf.edu/chemistry>

Email: chemistry@ucf.edu

Dr. Pedro Patino, pedro.patino@ucf.edu

Minor Admission Requirements

- The minor is not open to Chemistry majors.

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the department of Chemistry, with a minimum GPA of 2.0.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses		(20 hrs)
CHM 2045C	Chemistry Fundamentals I	4 hrs

- or		6 hrs
CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

- and		
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
CHM 3120	Analytical Chemistry	3 hrs
CHM 3120L	Analytical Chemistry Laboratory	1 hr

Restricted Electives (8 hrs)

- At least one course must be selected from group I and the remaining from group I and/or II

Group I: Select at least one course

BCH 4103L	Biochemical Methods	2 hrs
CHS 3530C	Forensic Analysis of Controlled Substances	4 hrs
CHM 3411L	Physical Chemistry Laboratory	2 hrs
CHM 3215L	Organic Laboratory Techniques II	2 hrs
CHM 4130	Advanced Analytical Laboratory Technique	3 hrs
CHM 5451C	Techniques in Polymer Science	3 hrs

Group II:		
BCH 4053	Biochemistry I	3 hrs
BCH 4054	Biochemistry II	3 hrs
CHS 4615	Environmental Chemistry	3 hrs
CHM 3410	Physical Chemistry I	4 hrs
CHM 3411	Physical Chemistry II	3 hrs
CHM 3422	Applied Physical Chemistry	3 hrs



CHM 4220	Organic Chemistry III	3 hrs
CHM 5225	Advanced Organic Chemistry	3 hrs
CHM 5235	Applied Molecular Spectroscopy	3 hrs
CHM 5450	Polymer Chemistry	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 28

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Coaching - Minor

College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209

Patty Lanier, PattyLanier@ucf.edu, 407-823-0623

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student's major program. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements

- 2.5 GPA

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

ATR 4132	Human Injuries: Mechanisms & Prevention	3 hrs
PET 3765	Coaching Theory	3 hrs
PET 4215	Motivational Aspects of Athletic Performance	3 hrs
PET 4763	Coaching Methods And Principles	3 hrs
SPM 3204	Sports and Ethics	3 hrs

Select 1: 3 hrs

PEO 3624	Coaching Basketball or	3 hrs
PEO 3644	Coaching Football or	3 hrs
PEO 3324	Coaching Volleyball	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- An overall GPA of 2.5 is required to satisfy the minor.
- No grades below "C" (2.0) and no "S" grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No TSD or Military credit may be used.
- Internship or Independent Study credit cannot be used towards the minor.

Cognitive Sciences - Minor

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

<http://philosophy.cah.ucf.edu/>

Email: philosophy2@ucf.edu

Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu

Phone: 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive sciences, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- Note: It is the student's responsibility to complete satisfactorily all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

Required Courses

(15 hrs)

- Foundation Courses
- Select from at least 4 subject areas.

Neuroscience

PSB 3002	Physiological Psychology or	3 hrs
PSB 4240C	Neuropsychology or	4 hrs
ZOO 3744	Neurobiology	3 hrs

Philosophy

PHI 3320	Philosophy of Mind or	3 hrs
PHI 3323	Minds and Machines: Philosophy of Cognitive Science or	3 hrs
PHI 3451	Philosophy of Psychology or	3 hrs
PHI 4341	Ways of Knowing or	3 hrs
PHI 4400	Philosophy of Science or	3 hrs
PHI 4935	Topics in Philosophy of Mind	3 hrs

Psychology

EXP 3204C	Perception or	4 hrs
EXP 3604C	Cognitive Psychology or	4 hrs
EXP 4507C	Advanced Human Memory and Cognition	3 hrs

Computer Science and Information

3 hrs

Technology

CAP 4453	Robot Vision or	3 hrs
CAP 4630	Artificial Intelligence or	3 hrs
EEL 3531	Information Theory or	3 hrs
EEL 3552C	Analog and Digital Communication Fundamentals	4 hrs

Language and Linguistics

3 hrs

ANT 3610	Language and Culture or	3 hrs
LIN 3010	Principles of Linguistics or	3 hrs
LIN 3716	Language Development or	3 hrs
LIN 3717	Language Development: 9 - 18 Years or	3 hrs
PHI 4221	Philosophy of Language or	3 hrs
EXP 3640	Psychology of Language	3 hrs

Restricted Electives

(6 hrs)

Select 2:

6 hrs

ANT 3541	Biobehavioral Anthropology or	3 hrs
ANT 3550C	Primatology or	3 hrs
ANT 3610	Language and Culture or	3 hrs
ANT 4586C	Human Origins or	3 hrs
CAP 4630	Artificial Intelligence or	3 hrs
CAP 5015	Multimedia Compression on the Internet or	3 hrs
CAP 5415	Computer Vision or	3 hrs



Minors

CAP 5512	Evolutionary Computation or	3 hrs
COP 4520	Concepts of Parallel and Distributed Processing or	3 hrs
EXP 3204C	Perception or	4 hrs
LIN 4711	Language Analysis or	3 hrs
LIN 4711L	Language Analysis Lab or	1 hr
MAP 4103	Mathematical Modeling I or	3 hrs
PHI 2101	Formal Logic I or	3 hrs
PHI 2108	Critical Thinking or	3 hrs
PHI 3626	Advanced Ethics in Science and Technology or	3 hrs
PHI 4321	Philosophies of Embodiment: Mind/Body/ Self or	3 hrs
PHI 4500	Metaphysics or	3 hrs
PSY 4025	The Psychology of Art or	3 hrs
PSY 3213C	Research Methods in Psychology	5 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- 18 hours must be taken at the upper division.
- No more than 12 credit hours may be used both toward credit for a major and the cognitive sciences minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study requires prior approval from the advisors to be used toward the minor.

Communication Sciences and Disorders - Minor

College of Health and Public Affairs

Department of Communication Sciences and Disorders, Health & Public Affairs I, Room: 101

<http://www.cohpa.ucf.edu/comdis/>

Email: csdundergraduate@ucf.edu

TBD

Phone: 407-823-4798

Licensed Speech-Language Pathology and Audiology Assistant: This state license may be obtained by completing the minor. This minor is not available to CSD Majors or those seeking a Language Development and Disorders Certificate.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (24 hrs)

SPA 3471	Communication Disorders in Literature and Media	3 hrs
SPA 3112	Basic Phonetics	3 hrs
SPA 3112L	Basic Phonetics Lab	1 hr
LIN 3716	Language Development	3 hrs
LIN 3716L	Language Development Lab	2 hrs
SPA 3101	Physiological Bases of Speech and Hearing	3 hrs
SPA 4032	Audiology	3 hrs
SPA 4400	Language Disorders Across the Life Span	3 hrs
SPA 4476	Speech Disorders Across the Lifespan	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 24

Other Requirements

- A minimum grade of "C-" (1.75) is required in all courses used to satisfy the minor.
- Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.
- At least 19 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Community Arts - PAVE - Minor

College of Arts and Humanities

School of Visual Arts and Design,

Visual Arts Building, Room: 117

<http://svad.cah.ucf.edu/>

Phone: 407-823-2676

Minor Admission Requirements

- None

Minor Requirements

Partners in Art in Visual Education (PAVE)

- A minor in Community Arts-PAVE is offered for the student who is majoring in Art, Music, Theatre, or English (with a Creative Writing focus). Students interested in the minor should contact the School director.

Prerequisite Courses

- None

Required Courses

- None

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used toward the minor.

Computer Science - Minor

College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center, Room: 346

<http://www.eecs.ucf.edu>

Dr. Mark Llewellyn, markl@cs.ucf.edu

Phone: 407-823-3327

Minor Admission Requirements

- Not open to Computer Engineering, Computer Science or Information Technology majors.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

COP 3223	Introduction to Programming with C	3 hrs
COP 3330	Object Oriented Programming	3 hrs
COP 3502C	Computer Science I	3 hrs
COP 3503C	Computer Science II	3 hrs
CDA 3103	Computer Logic and Organization	3 hrs



Select 1:		3 hrs
COT 3100C	Introduction to Discrete Structures or	3 hrs
MAD 2104	Foundations of Discrete Math	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Not open to Computer Engineering, Computer Science or Information Technology majors.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

Crime, Law, and Deviance - Minor

College of Sciences

Department of Sociology,

Howard Phillips Hall, Room: 403

<http://sociology.ucf.edu>

Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

Minor Admission Requirements

- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses	(6 hrs)
SYP 3520 Criminology	3 hrs

Required: Complete one of the following:	3 hrs
SYG 2000 Introduction to Sociology or	3 hrs
SYG 2010 Social Problems	3 hrs

Restricted Electives (12 hrs)

■ Select from the following:	
SYP 3510 Sociology of Deviant Behavior	3 hrs
SYP 3511 Sociology of Murder	3 hrs
SYP 3530 Juvenile Delinquency	3 hrs
SYP 3540 Sociology of Law	3 hrs
SYP 3562 Patterns of Domestic Violence in Society	3 hrs
SYP 4514 Patterns of Violence in Society	3 hrs
SYP 4521 Crime Victims in Society	3 hrs
SYP 4536 Gangs and Society	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Criminal Justice - Minor

College of Health and Public Affairs

Department of Criminal Justice,

Health & Public Affairs I, Room: 311

Email: cjadvice@ucf.edu

Mary Ann Eastep, 407-823-2603

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses	(6 hrs)
CCJ 3024 Criminal Justice System	3 hrs
CCJ 3014 Crime in America	3 hrs

Restricted Electives (12 hrs)

Select 2:	6 hrs
CJL 3510 Prosecution and Adjudication or	3 hrs
CJC 3010 Corrections and Penology or	3 hrs
CJE 4014 Police and Society	3 hrs
and	
Six semester hours of Criminal Justice courses (selected with aid of an advisor)	6 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Dance - Minor

College of Arts and Humanities

Department of Theatre,

Performing Arts Center, Room: 210A

<http://theatre.cah.ucf.edu/>

Earl Weaver, Earl.Weaver@ucf.edu, 407-823-2862

Minor Admission Requirements

- A successful audition - contact department for audition dates.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses	(11 hrs)
DAN 1314 Dance History I	3 hrs
DAA 3612 Dance Improvisation/Composition I	3 hrs
DAA 2100C Modern Dance I	2 hrs
DAA 2200C Ballet I	2 hrs
DAA 3684 Dance Performance	1 hr

Restricted Electives (7 hrs)

DAA 2570C Jazz Dance I	2 hrs
DAA 2571C Jazz Dance II	2 hrs
DAA 2520C Tap Dance I	2 hrs
DAA 2521C Tap Dance II	2 hrs

Minors

DAA 3524C	Tap Dance III	2 hrs
DAA 2201C	Ballet II	2 hrs
DAA 3208C	Ballet III	2 hrs
DAA 2101C	Modern Dance II	2 hrs
DAA 3108C	Modern Dance III	2 hrs
DAA 2393C	World Dance	2 hrs
DAA 3645	Choreography Practicum	2 hrs
DAA 3684	Dance Performance	1 hr
TPA 2290L	Theatre Participation-Production I	1 hr

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- Student must consult dance advisor every semester. Students who do not consult with their dance advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor will lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may be used in the minor only with prior written permission.
- Participation on a minimum of one departmental dance concert.
- A minimum of 3 different dance styles must be completed in the minor.

Digital Humanities - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.ucf.edu>

Email: english@ucf.edu

Dr. Patrick Murphy

Phone: 407-823-5596

Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

HUM 3830	Introduction to Digital Humanities	3 hrs
DIG 3171	Tools for Digital Humanities	3 hrs

Restricted Electives (12 hrs)

Technology and Applied Skills 6 hrs

- Select two from the following:
- CRW 3713 Writing for Video Games or 3 hrs
- DIG 4704 Interactive Entertainment or 3 hrs
- DIG 4855 Converging Media Capstone or 3 hrs
- ENC 4416 Writing in Digital Environments or 3 hrs
- ENG 3817 Digital Archives 3 hrs

Theory and Critique 6 hrs

- Select two from the following:
- AMH 4644 Viewing American History in the Twentieth Century or 3 hrs
- DIG 3024 Digital Cultures & Narrative or 3 hrs
- ENC 3417 Literacy and Technology or 3 hrs
- HIS 4150 History and Historians or 3 hrs
- PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
- PHI 3625 Virtual Ethics or 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- None

Digital Media - Minor

College of Arts and Humanities

School of Visual Arts and Design

<http://svad.cah.ucf.edu/>

Email: svadadvising@ucf.edu

Phone: 407-823-2676

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (12 hrs)

DIG 2000	Introduction to Digital Media	3 hrs
DIG 2030C	Digital Video Fundamentals	3 hrs
DIG 2109C	Digital Imaging Fundamentals	3 hrs
DIG 2500C	Fundamentals of Interactive Design	3 hrs

Restricted Electives (6 hrs)

- Select two courses:
- Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design.
- DIG 3003 Adventures in Emerging Media 3 hrs
- DIG 3024 Digital Cultures & Narrative 3 hrs
- DIG 3043 Evolution of Video Games 3 hrs
- DIG 3134 Media Software Design 3 hrs
- DIG 3480C Computer as a Medium 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 3563 Information Management and Entrepreneurship 3 hrs
- DIG 3716C Internet Interaction 3 hrs
- DIG 3811 User-Centered Design 3 hrs
- DIG 4630C Media Business Practices 3 hrs
- DIG 4713 Game Design 3 hrs
- DIG 4780C Modeling for Realtime Systems 3 hrs
- FIL 4040 Animation Film History for Non Film Majors 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a "B" (3.0) or better is required.
- At least 12 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit can be used in the minor only with prior written permission from a school advisor.



Diplomacy - Minor

College of Sciences

College of Arts and Humanities

Department of Political Science,

Howard Phillips Hall, Room: 302

<http://politicalscience.cos.ucf.edu>

Department of History, Colbourn Hall, Room: 551

<http://history.cah.ucf.edu/>

Dr. R. Handberg, 407-823-2608

Dr. J. Sacher, 407-823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this minor will gain experience in diplomatic history, concepts, theories, methods, protocol and practice.

Admission Requirements

- None

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the participating departments.

Prerequisite Courses

- Most courses for this minor will have prerequisites completed as a part of a student's GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (9 hrs)

AMH 4513	United States as a Great Power: 1945-Present	3 hrs
INR 4030	Diplomacy	3 hrs
INR 4102	American Foreign Policy	3 hrs

Restricted Electives (9 hrs)

■ Select from the following:		
AMH 4512	US Diplomatic History: 1914-1945	3 hrs
EUH 3242	Modern Europe and the First World War	3 hrs
EUH 3281	Second World War and Rebirth of Europe	3 hrs
EUH 4574	History of Russia: 1801-1917	3 hrs
EUH 4576	History of Russia in the 20th Century	3 hrs
EUH 4620	European Great Powers: 1815-1914	3 hrs
EUH 4663	History of Communism in Europe	3 hrs
INR 4054	Global Politics of Energy	3 hrs
INR 4074	Immigration Policy	3 hrs
INR 4075	Human Rights Policy	3 hrs
INR 4076	Global Drug Policy	3 hrs
INR 4104	Topics and Cases in American Foreign Policy	3 hrs
INR 4114	American Security Policy	3 hrs
INR 4351	International Environmental Law	3 hrs
INR 4401	International Law	3 hrs
INR 4502	International Organizations	3 hrs
INR 4603	International Relations Theory	3 hrs
INR 4714	Politics of International Trade Policy	3 hrs
POT 4314	Contemporary Democratic Theory	3 hrs
POT 4632	Religion and Politics	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, independent study, and substitute courses/new courses are allowed at the director's discretion limited to a maximum of 3 credit hours.
- Students majoring in history, international and global studies, or political science can take no more than 3 hrs of Restricted Electives in their major department.

Diversity and Social Inequality - Minor

College of Sciences

Department of Sociology,

Howard Phillips Hall, Room: 403

<http://sociology.ucf.edu>

Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society. The minor facilitates the understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of fields.

Minor Admission Requirements

- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (6 hrs)

SYO 3530	Social Power and Inequality	3 hrs

Required: Complete one of the following: 3 hrs

SYG 2000	Introduction to Sociology or	3 hrs
SYG 2010	Social Problems	3 hrs

Restricted Electives (12 hrs)

■ Select from the following:		
SYD 3410	Urban Society	3 hrs
SYD 3700	Race and Ethnicity	3 hrs
SYD 3800	Sex and Gender in Society	3 hrs
SYO 4100	Family Trends	3 hrs
SYO 4200	Religion in Society	3 hrs
SYD 4810	Women in Contemporary Society	3 hrs
SYD 4813	Women, Law and Social Change	3 hrs
SYD 4454	Global Inequality and Society	3 hrs
SYD 4732	Minority Aging	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Early Childhood Development and Education - Minor

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

<http://education.ucf.edu/ece/>

Email: ece@ucf.edu

Dr. Judy Levin, ED 122L, judith.levin@ucf.edu

Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood

Minors

Development and Education major and does not lead to teacher certification or admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education and development or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student's major program. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements

- Completion of an A.A. degree from a Florida public post secondary institution.
- A minimum overall GPA of 2.75.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Minor Requirements

- Must maintain a minimum overall MINOR GPA of 2.75.
- At least 12 hours used in the minor must be earned at UCF.
- Once the Early Childhood Development and Education Minor has been declared and approved, Early Childhood Development and Education Minor students must schedule an appointment with their program advisor listed on their ECDE Minor DARS Audit.
- NOTE: Completion of the Early Childhood Development and Education Minor does not complete the requirements for certification in Early Childhood Development.

Prerequisite Courses

- None

Required Courses

(15 hrs)

EEC 4661	Early Childhood Education Theory and Practice	3 hrs
RED 3310	Early Reading, Writing and Language Arts	3 hrs
EEC 4604	Classroom Management and Guidance of Young Children	3 hrs
EEC 3700	Social and Emotional Development of Young Children	3 hrs
EEX 3450	Young Children With Special Needs	3 hrs

Restricted Electives

(6 hrs)

Choose two:

6 hrs

EEC 4303	Planning Creative Activities in Early Childhood Education	3 hrs
EEC 4207	Assessment and Evaluation of Young Children	3 hrs
EEC 4268	Curriculum Activities in Early Childhood	3 hrs
EEC 4402	Cultural and Family Systems	3 hrs
EEC 4414	Parent-Child Relations	3 hrs
EEC 4744	Child Life: Psychosocial Care of Children in Health Settings	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- None

Economic Policy - Minor

College of Business Administration

Department of Economics,

Business Administration II, Room: 305

<http://www.bus.ucf.edu/economics>

Michael Caputo, mcaputo@bus.ucf.edu

David Scroggin, 407-823-4129

Nora Underwood, 407-823-1403

Phone: 407-823-3266

For both Business Majors and non-Business Majors. Not open to Economics BA or BSBA majors or Mathematics majors in the Mathematical Economics concentration.

The Economics Policy minor is intended to provide a broad introduction to economic policy issues related to national and international institutions and events. This minor is well-suited for students in Interdisciplinary Studies, International and Global Studies, Journalism, Legal Studies, Political Science, Public Administration, Social Sciences, and Sociology.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

ECO 2013	Principles of Macroeconomics	(6 hrs)
ECO 2023	Principles of Microeconomics	3 hrs

Restricted Electives

(12 hrs)

Select 4:

ECO 3223	Money and Banking	3 hrs
ECO 3704	Global Economic Policy	3 hrs
ECO 4303	History of Economic Thought	3 hrs
ECO 4751	Law and Economics	3 hrs
ECP 3302	Economics and the Environment	3 hrs
ECP 3006	Economics of Sports	3 hrs
ECS 4013	Development Economics	3 hrs

Other ECO, ECP or ECS courses may be applied toward the Minor with the approval of the Department

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" or "S" grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.

Economics - Minor

College of Business Administration

Department of Economics,

Business Administration II, Room: 305

<http://www.bus.ucf.edu/economics>

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu

David Scroggin, BA2 302U, 407-823-4129

Nora Underwood, BA2 302N, 407-823-1403

Phone: 407-823-3266

(for both Business Majors and non-Business Majors)

The Economics Minor is designed to complement a broad range of business and non-business majors. The Minor requires a core of courses in economic theory and applications along with a selection of electives that can be tailored to the student's personal interests. This Minor is highly recommended for students considering graduate school in business, economics, law or public administration. Not open to students in the Economics (BA) or Economics (BSBA). Not open to students in the Mathematical Economics concentration of the Mathematics (BS) major.

Minor Admission Requirements

- None



Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

ECO 2013	Principles of Macroeconomics	(9 hrs)
ECO 2023	Principles of Microeconomics	3 hrs

Select 1:

ECO 3101	Intermediate Microeconomics or	3 hrs
ECO 3203	Intermediate Macroeconomics	3 hrs

Restricted Electives

Upper Division Restricted Electives 9 hrs

- Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.

- Note: ECO 3401 (or equivalents) is a pre-requisite for the following:

ECO 3101	Intermediate Microeconomics	3 hrs
ECO 3203	Intermediate Macroeconomics	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Education - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B

<http://education.ucf.edu/edminor>

Dr. W. Scott Wise, ED 220B, wwise@ucf.edu

Phone: 407-823-1502

The Education minor is intended to provide for university students outside the College of Education and Human Performance a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	(15 hrs)
EDF 4467	Learning Theory and Assessment	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

Restricted Electives

■ Select one		(3 hrs)
MAE 4634	Programs in Teaching of Mathematics	3 hrs
SSE 4936	Programs in Teaching Social Science	3 hrs
LAE 4342	Programs in Teaching Language and Composition	3 hrs
LAE 4464	Survey of Adolescent Literature	3 hrs
SCE 4361	Programs in Teaching Science	3 hrs
PET 4710	Methods for Physical Activity for Children and Adolescents	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- NOTE:**
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

Emergency Management and Homeland Security - Minor

College of Health and Public Affairs

School of Public Administration,

Health & Public Affairs II, Room: 238

Email: pa/ba/bs@ucf.edu

Dr. Claire Knox, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements

- None

Minor Requirements

- None

Minors

Prerequisite Courses

- None

Required Courses

(15 hrs)

PAD 4822	Intergovernmental Administration	3 hrs
PAD 4392	Emergency Management and Homeland Security	3 hrs
PAD 4712	Information Systems for Public Managers and Planners	3 hrs
PAD 4395	Disaster Response and Recovery	3 hrs
PAD 4390	Hazard Mitigation and Preparedness	3 hrs

Restricted Electives

(3 hrs)

Select 1:

3 hrs

DSC 4012	Terrorism or	3 hrs
DSC 4013	Homeland Security and Criminal Justice	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Grades below "C" (2.0) or "S" grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship or Independent Study cannot be used toward the minor.
- Students must earn a "C" (2.0) or better in each course in the minor.

Energy and Sustainability - Minor

College of Engineering and Computer Science

Engineering, Room: 107

CECS Academic Affairs

<http://www.cecs.ucf.edu>

Paul Edlen, paul.edlen@ucf.edu, 407-823-2455

Participants in this minor will acquire knowledge in technical, economic and policy issues related to sustainable energy generation, conservation, management and utilization. Those completing the minor will be able to improve their understanding, awareness and job skills to have additional opportunities and advantages to pursue a career in the emerging energy sector.

Minor Admission Requirements

- A minimum GPA of 2.25 is required for acceptance into this minor degree program.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(12 hrs)

IDS 3150	Foundations of Environmental Studies	3 hrs
EGN 4824	Energy and Society	3 hrs
IDS 4204C	Advanced Topics on Energy and Sustainability	3 hrs

Select 1:

3 hrs

GEB 4152	Tech Innovation & Entrepreneurship or	3 hrs
¹ IDS 4949	Cooperative Education	0 hrs

¹ Proposals must be approved by the Energy and Sustainability minor program coordinator in cooperation with faculty from the Office of Experiential Learning.

Restricted Electives

(6 hrs)

- Select any two elective courses from the following courses:

Energy Systems Design

EEL 4216	Fundamentals of Electric Power Systems	3 hrs
	or	
EML 4411	Mechanical Power Systems or	3 hrs
EML 4454	Turbines for Sustainable Power or	3 hrs
EML 4600	HVAC Systems Engineering or	3 hrs
EML 4602	Applied HVAC Engineering	3 hrs

Water, Environment and Waste Management

ENV 3001	Introduction to Environmental Engineering	3 hrs
	or	
ENV 4120	Air Pollution Control or	3 hrs
ENV 4341	Solid & Hazardous Waste Management or	3 hrs
ENV 4561	Environmental Engineering Operations & Processes II	3 hrs

Business and Public Policy

ECP 3302	Economics and the Environment or	3 hrs
ECP 4303	Environmental and Natural Resource	3 hrs
	Economics or	
REE 3614	Environmental Issues for Real Estate	3 hrs

Social and Ethical Dimensions

INR 4350	Global Environmental Politics or	3 hrs
INR 4351	International Environmental Law or	3 hrs
PAD 4351	Issues in Environmental Program	3 hrs
	Management or	
PHI 3640	Environmental Ethics or	3 hrs
PLA 4554	Environmental Law or	3 hrs
PUP 3203	Environmental Politics or	3 hrs
PUP 4209	Urban Environmental Policy or	3 hrs
SYD 4510	Environment and Society	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum grade of "C" (2.0) or better in all courses in the minor.
- A cumulative GPA of 2.5 is required to successfully complete the minor.

Engineering Leadership - Minor

College of Engineering and Computer Science

Department of Industrial Engineering and Management

Systems, Engineering II, Room: 312

<http://www.iems.ucf.edu>

Dr. Timothy Kotnour

Phone: 407-823-5645

The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student's marketability, preparation and career viability as they enter the engineering profession.

Minor Admission Requirements

- Acceptance to the program is from a pool of applicants each fall term for the two semester program. Admission requires an interview with the Director of this minor program, submission of the applicant's resume with academic and outside activity information, and an essay prepared by the applicant explaining their interest in the program with self development issues they would like to explore in the program.

- Only open to CECS undergraduate students
- A minimum GPA of 3.0 is required for acceptance into this minor degree program

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(18 hrs)

Required Courses

18 hrs

EGN 3613	Engineering Economic Analysis	2 hrs
EIN 3354	Principles of Cost Engineering	3 hrs
EGN 4624	Engineering Administration	3 hrs
EIN 4191C	Engineering Leadership Seminar I	2 hrs
EIN 4192C	Engineering Leadership Seminar II	2 hrs
	Two Engineering Design courses	6 hrs



Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Students must have a Grade of "C" (2.0) or better in all courses in the minor.
- Any course substitution must be approved by IEMS Undergraduate Coordinator and/or Department Chair.

English - Creative Writing - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.ucf.edu/>

Email: english@ucf.edu

Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

		(6 hrs)
CRW 3013	Creative Writing for English Majors	3 hrs
CRW 3053	Theory & Practice of Creative Writing	3 hrs

Restricted Electives

Select one course after completing CRW 3013

CRW 3120	Fiction Writing Workshop	3 hrs
CRW 3211	Creative Nonfiction Writing	3 hrs
CRW 3310	Poetry Writing Workshop	3 hrs
CRW 3610	Writing Scripts	3 hrs

Select one course

CRW 4122	Advanced Fiction Writing Workshop	3 hrs
CRW 4224	Advanced Nonfiction Workshop	3 hrs
CRW 4320	Advanced Poetry Writing Workshop	3 hrs
CRW 4616	Advanced Scriptwriting Workshop	3 hrs

Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

Restricted Upper Division Electives--select three courses

CRW 3311	Structure of Verse	3 hrs
CRW 3540	Literary Magazines	3 hrs
CRW 4114	History of Prose Style	3 hrs
CRW 4724	The Florida Review	3 hrs
CRW 4014	The Writing Life	3 hrs
ENC 3310	Magazine Writing I	3 hrs
CRW 4722	Editing for Creative Writers	3 hrs
CRW 6806C	Teaching Creative Writing	3 hrs
Any other CRW elective or Special Topics course		3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Linguistics - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.ucf.edu/>

Email: english@ucf.edu

Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

		(9 hrs)
LIN 3010	Principles of Linguistics	3 hrs
LIN 4105	History of the English Language	3 hrs
LIN 4680	Modern English Grammar	3 hrs

Restricted Electives

		(9 hrs)
LIN 4643	Cross Cultural Communication	3 hrs
LIN 4660	Linguistics and Literature	3 hrs
LIN 4801	Language and Meaning	3 hrs
LIN 5137	Linguistics	3 hrs
ANT 3610	Language and Culture	3 hrs
PHI 4400	Philosophy of Science	3 hrs
PHI 4221	Philosophy of Language	3 hrs
SPA 3112	Basic Phonetics	3 hrs
Or any course approved by the Linguistics Committee		3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Literature - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.ucf.edu/>

Email: english@ucf.edu

Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

		(3 hrs)
¹ ENG 3014	Theories and Techniques of Literature Study	3 hrs

¹ PR for all 4000 level AML, ENG, ENL, and LIT courses

Restricted Electives

- English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Minors

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.ucf.edu/>

Email: english@ucf.edu

Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

ENC 4215	Technical Publication and Project Management	3 hrs
ENC 4218	The Visual in Technical Documentation	3 hrs
ENC 4293	Documentation and the Collaborative Process	3 hrs
ENC 4294	Documentation and Client-Based Collaboration	3 hrs
ENC 4280	Technical Writing Style	3 hrs
ENC 3241	Writing for the Technical Professional	3 hrs

- Students completing the minor may intern with a Central Florida corporation

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English Language Arts Education - Minor

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

<http://education.ucf.edu/englished/>

Dr. Jeff Kaplan, ED 122B, Jeffrey.Kaplan@ucf.edu

Phone: 407-823-2041

The English Language Arts Education minor is intended for non-English Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
LAE 4360	English Instructional Analysis	3 hrs
LAE 4342	Programs in Teaching Language and Composition	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in English Language Arts as co-requisites
- Obtain a minimum 2.5 GPA in courses required for minor
- At least 12 hours in the minor must be earned at UCF

Entrepreneurship - Minor

College of Business Administration

Department of Management,

Business Administration I, Room: 309

Open to Business and Non-Business Students

<http://www.cei.ucf.edu>

Dr. Cameron Ford, cford@ucf.edu

Phone: 407-823-5569

The entrepreneurship minor provides students from all academic disciplines with entrepreneurial skills needed to create successful startup ventures, innovative corporate initiatives, and impactful non-profit organizations. This minor serves as a great complement to majors in all disciplines by preparing students to recognize opportunities, organize resources, and produce results. These capabilities promote leadership potential and professional success in any career, and are sought after by small and large organizations that need employees capable of creating and managing innovative new initiatives.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

GEB 3113	Creativity and Entrepreneurship	3 hrs
GEB 4110	Business Plan Preparation	3 hrs
GEB 4111	New Venture Finance	3 hrs
MAN 4802	New Venture and Small Business Management	3 hrs
MAR 3765	Entrepreneurial Marketing	3 hrs

Restricted Electives (3 hrs)

- Any 3000 or 4000 MAN course not in CBA core or the following courses:

BUL 4540	Employment Law	3 hrs
EGN 4641C	Engineering Entrepreneurship	3 hrs
GEB 4152	Tech Innovation & Entrepreneurship	3 hrs
GEB 4435	Moral Foundations of Business	3 hrs



Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C: (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Environmental Studies - Minor

Office of Undergraduate Studies

Office of Interdisciplinary Studies,

Classroom I, Room: 302

<http://www.is.ucf.edu>

Email: is@ucf.edu

Phone: 407-823-0144

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- Note: It is the student's responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Required Courses	(3 hrs)
IDS 3150 Foundations of Environmental Studies	3 hrs

Restricted Electives (18 hrs)

Science & Environmental Electives 9 hrs

BOT 3152C	Local Flora	3 hrs
BOT 3802	Ethnobotany	3 hrs
BOT 4303C	Plant Kingdom	5 hrs
BOT 4713C	Plant Taxonomy	5 hrs
BSC 4312C	Advanced Marine Biology	4 hrs
OCE 3008	Oceanography	3 hrs
PCB 3044	Principles of Ecology	3 hrs
PCB 3442	Aquatic Ecology	3 hrs
PCB 4683	Evolutionary Biology	4 hrs
CHM 3120	Analytical Chemistry	3 hrs
HSC 4500	Epidemiology	3 hrs
ENV 3001	Introduction to Environmental Engineering	3 hrs
ENV 4341	Solid & Hazardous Waste Management	3 hrs
PCB 3063	Genetics	3 hrs
PCB 3044L	Principles of Ecology Laboratory	1 hr

Social & Humanities Electives 9 hrs

INR 4351	International Environmental Law	3 hrs
PUP 3203	Environmental Politics	3 hrs
PUP 4503	Government and Science	3 hrs

PAD 4351	Issues in Environmental Program Management	3 hrs
PAD 3330	Urban and Regional Planning	3 hrs
PUP 3204	Sustainability	3 hrs
GEO 2370	Resources Geography	3 hrs
GIS 3043C	GIS for Environmental Studies	3 hrs
GIS 4301C	Advanced GIS Applications in Environmental Studies	4 hrs
PHI 3033	Philosophy, Religion, and the Environment	3 hrs
PHI 4400	Philosophy of Science	3 hrs
PHI 3640	Environmental Ethics	3 hrs
PHI 4633	Ethics and Biological Science	3 hrs
PHM 4031	Environmental Philosophy	3 hrs
PLA 4554	Environmental Law	3 hrs
¹ ECP 3302	Economics and the Environment	3 hrs
¹ ECP 4303	Environmental and Natural Resource Economics	3 hrs

¹ Only one of these two courses may be used to fulfill these restricted electives

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A grade of "C" or above (2.0) is required in each course used to satisfy the minor.
- 18 hours must be taken at the upper division.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study require prior approval from the Interdisciplinary Studies advisers to be used toward the minor.
- Internship, Independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisers.

European Studies - Minor

College of Sciences

Department of Political Science,

Howard Phillips Hall, Room: 302

<http://www.cos.ucf.edu/politicalscience>

Email: politics@mail.ucf.edu

Dr. Kerstin Hamann

Phone: 407-823-2608

An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the Director of European Studies.

Minor Admission Requirements

- None

Minor Requirements

- A grade of "C" (2.0) or better is required for all courses counting towards the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours used in the minor must be taken at UCF.
- At least 15 credits used in the minor must be upper division.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.



Minors

Required Courses (6 hrs)

CPO 4101	Politics of the European Union	3 hrs
LIT 3082	Continental European Fiction Since 1900	3 hrs

Restricted Electives (15 hrs)

■ Course substitutions are subject to prior approval by the director.

Literature, Film, and Culture:

Select from the following courses: 3 hrs

■ Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

ENL 2022	English Literature II or	3 hrs
ENL 4101	English Novel or	3 hrs
ENL 4240	English Romantic Writers or	3 hrs
ENL 4262	Nineteenth Century British Prose or	3 hrs
ENL 4273	Modern British Literature or	3 hrs
FIL 3820	Italian Film or	3 hrs
FIL 3822	French Film or	3 hrs
FIL 3823	German Film or	3 hrs
FIL 3824	Italian Neo-Realist Cinema or	3 hrs
FRE 4500	French Civilization and Culture or	3 hrs
FRT 3562	French Contemporary Pop Culture or	3 hrs
FRW 3370	Short Stories of 18th, 19th and 20th Centuries or	3 hrs
FRW 4281	20th Century French Novels or	3 hrs
FRW 4324	20th Century French Drama or	3 hrs
FRW 4532	French Romanticism or	3 hrs
FRW 4552	Nineteenth Century French Literature or	3 hrs
GER 3102	Germany - Past to Present or	3 hrs
GER 4520	Modern Germany or	3 hrs
GEW 3101	Survey of German Literature II or	3 hrs
GEW 3370	Short Story or	3 hrs
GEW 3480	German Post-War Literature or	3 hrs
GEW 4482	German Children's Literature or	3 hrs
GEW 4531	The Age of Goethe and Schiller or	3 hrs
ITT 4956	Study Abroad: Modern and Contemporary Italian Culture or	3 hrs
ITW 3101	Survey of Italian Literature II or	3 hrs
JST 3751	Literature of the Holocaust or	3 hrs
LIT 4184	Irish Literature or	3 hrs
SPW 3101	Survey of Spanish Literature II or	3 hrs
SPW 3370	Spanish Short Story or	3 hrs
SPW 4272	20th Century Spanish Novel or	3 hrs
SPW 4322	Contemporary Iberian Theatre or	3 hrs
SPW 4450	Spanish Literary Theory or	3 hrs
SPW 4460	Nineteenth Century Spanish Literature or	3 hrs
SPW 4720	The Generation of 1898	3 hrs

History:

Select from the following courses: 6 hrs

EUH 3235	Romanticism and Realism or	3 hrs
EUH 3242	Modern Europe and the First World War or	3 hrs
EUH 3281	Second World War and Rebirth of Europe or	3 hrs
EUH 3411	Ancient Rome or	3 hrs
EUH 3431	History of Modern Italy or	3 hrs
EUH 3451	History of Modern France or	3 hrs
EUH 4284	Fascism and Nazism in the Interwar Europe or	3 hrs
EUH 4400	The History of Ancient Greece or	3 hrs
EUH 4465	Hitler's Third Reich or	3 hrs
EUH 4501	English History: 1485-1815 or	3 hrs
EUH 4502	British History: 1815-Present or	3 hrs
EUH 4574	History of Russia: 1801-1917 or	3 hrs
EUH 4576	History of Russia in the 20th Century or	3 hrs
EUH 4582	20th Century Russian Diplomatic History or	3 hrs
EUH 4610	Women in European Society: From Medieval to Modern or	3 hrs
EUH 4620	European Great Powers: 1815-1914 or	3 hrs
EUH 4663	History of Communism in Europe or	3 hrs
GER 4510	Life and Culture in Nazi Germany or	3 hrs
JST 3701	History of the Holocaust	3 hrs

Political Science or Economics:

Select from the following courses: 3 hrs

CPO 3104	Politics of Western Europe or	3 hrs
CPO 3614	Politics of Eastern Europe or	3 hrs
CPO 4074	Political Economy or	3 hrs
CPO 4123	Government and Politics of Great Britain or	3 hrs
CPO 4445	Comparative Political Parties or	3 hrs

CPO 4643	Government and Politics of Russia or	3 hrs
CPO 4754	Comparative Political Institutions or	3 hrs
ECO 3703	International Microeconomics or	3 hrs
ECO 4303	History of Economic Thought or	3 hrs
INR 4035	International Political Economy	3 hrs

Other areas:

■ may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or one of the following:

Select from the following courses: 3 hrs

ARH 4430	19th Century Art or	3 hrs
ARH 4450	20th Century Art or	3 hrs
PHH 3041	Russian Philosophy or	3 hrs
PHH 3510	Marx and Nietzsche or	3 hrs
PHP 3783	Modernity as a Philosophical Problem or	3 hrs
PHP 3786	Existentialism or	3 hrs
PHP 4782	Phenomenology	3 hrs

Foreign Language Requirements

■ Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).

Total Semester Hours Required

■ 21

Other Requirements

■ No credit by exam (military credit, TSD) may be used toward the minor.

Event Management - Minor

Rosen College of Hospitality Management

Department of Tourism Event and Attractions

9907 Universal Blvd. Orlando, FL 32819

<http://www.hospitality.ucf.edu>

Email: Hospitality@ucf.edu

Phone: 407-903-8000

The Event Management Minor is open to any degree seeking student in the College of Arts and Humanities. This minor is well suited and intended for students who have interest in the field of the performing arts (Music, Arts, and Theater). The Event Management minor is geared to expose and increase students' knowledge base of the growing hospitality and event industries. This program teaches students how to strategically promote various types of events and how to identify potential risk while planning and executing an event(s). Students will be able to individualize their minor by the option to choose two restricted event management electives focused toward their career interest.

Admission Requirements

■ Major within the College of Arts & Humanities.

Minor Requirements

■ None

Prerequisite Courses

■ Students who have not completed the prerequisites should contact the Instructor for consent to enroll.

Required Courses (12 hrs)

¹ HFT 2750	The Event Industry	3 hrs
HFT 3373	Event Design, Production & Technology	3 hrs
HFT 3512	Event Promotion	3 hrs
HFT 3670	Hospitality and Event Risk Management	3 hrs

¹ HFT 2750 is the prerequisite course for all upper level Event Management courses.

Restricted Electives (6 hrs)

Select 2: 6 hrs

HFT 3519	Event Services or	3 hrs
¹ HFT 3523	Event Sales or	3 hrs
HFT 3741	Meeting Management or	3 hrs
HFT 3798	Fairs and Festivals or	3 hrs
HFT 4795	Entertainment Arts and Events or	3 hrs
HFT 4796	International Events	3 hrs

¹ Prerequisite is HFT 3519.



Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.5 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the Rosen College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- Final Exams will be given during Final Exam week only.
- No substitutions are allowed for any of the required minor courses.

Exceptional Student Education - Minor

College of Education and Human Performance

Department of Child, Family and Community Sciences, Education Building, Room: 209

<http://www.education.ucf.edu>

Dr. Maria Reyes-MacPherson, Program Coordinator, maria.reyes-macpherson@ucf.edu, 407-823-4164

The Exceptional Student Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor does not lead to teacher certification nor admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student's major program.

Minor Admission Requirements

- None

Minor Requirements

- Students must earn a "C" (2.0) in all minor courses.
- Students must choose an elementary, early childhood or secondary focus.

Prerequisite Courses

- None

Required Courses (12 hrs)

EEX 4601	Introduction to Behavior Management	3 hrs
¹ EEX 4763	Technology for Classroom Teachers of Students with Special Needs	3 hrs
² EEX 3221	Assessment of Exceptional Students	3 hrs
EEX 4066	Curriculum, Theory and Instructional Strategies for Students with Special Needs	3 hrs

¹ Technology for Classroom Teachers of Students with Special Needs

² Assessment of Exceptional Students (elective only for Education majors)

Restricted Electives (6 hrs)

- Choose Early Childhood Restricted Electives OR Elementary Restricted Electives OR Secondary Restricted Electives

Early Childhood Restricted Electives

EEX 3450	Young Children With Special Needs	3 hrs
EEX 3241	Methods for Academic Skills for Exceptional Students	3 hrs

Elementary Restricted Electives

EEX 4070	Teaching Exceptional Students	3 hrs
¹ EEX 3241	Methods for Academic Skills for Exceptional Students	3 hrs

¹ Methods for Academic Skills for Exceptional Students

Secondary Restricted Electives

EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
EEX 3243	Techniques for Exceptional Adolescents-Adults	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Sophomore standing or completion of an AA degree from a Florida public post secondary institution.
- A minimum GPA of 2.5 of all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105C or higher, is required.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- Note: Completion of the minor does not complete the requirements for certification in Exceptional Student Education nor does it constitute admission in the College of Education and Human Performance.

Film - Cinema Studies - Minor

College of Arts and Humanities

School of Visual Arts and Design,

Nicholson School of Communication, Room: 121

<http://film.cah.ucf.edu/>

Email: film@ucf.edu

S. Schlow, 407-823-2845

Phone: 407-823-4285

Minor Admission Requirements

- Completion of a Minor Declaration form

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (12 hrs)

FIL 2030	History of Motion Pictures	3 hrs
FIL 3006	Art of the Cinema	3 hrs
FIL 2423	Foundations of Production	3 hrs

Select 1: (3 hrs)

FIL 1007	Foundations of Story or	3 hrs
FIL 1000	Cinema Survey	3 hrs

Restricted Electives (6 hrs)

■ Choose Two		
FIL 3880C	Images of Women in Film	3 hrs
FIL 3051	Avant-Garde Cinema	3 hrs
FIL 3820	Italian Film	3 hrs
FIL 3845	World Cinema Traditions	3 hrs
FIL 3841	French New Wave Cinema	3 hrs
FIL 3824	Italian Neo-Realist Cinema	3 hrs
FIL 3822	French Film	3 hrs
FIL 3823	German Film	3 hrs
FIL 3831	Black Cinema	3 hrs
FIL 3826	American Cinema	3 hrs
FIL 3871	The American Film Artist	3 hrs
FIL 4647	Film Production Management	3 hrs
FIL 3847	Latin American Cinema	3 hrs
FIL 3363C	Film Documentary	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.

Minors

Finance - Minor

College of Business Administration

Department of Finance,

Business Administration I, Room: 409

Students seeking advising must go to BA 2 room 101.

<http://web.bus.ucf.edu/academics/finance/>

Open to business and non-business students. Not available to finance majors.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

ACG 2021	Principles of Financial Accounting	(6 hrs)
ECO 2023	Principles of Microeconomics	3 hrs

Required Courses

FIN 2100	Personal Finance and Investments	(10 hrs)
FIN 3403C	Business Finance	3 hrs
FIN 3303	Financial Markets	4 hrs

Restricted Electives

Select 3: (9 hrs)

FIN 3414	Intermediate Corporate Finance or	3 hrs
FIN 3461	Financial Statement Analysis or	3 hrs
FIN 3504	Investment Analysis or	3 hrs
FIN 4324	Commercial Bank Management or	3 hrs
FIN 4453	Financial Models or	3 hrs
FIN 4514	Portfolio Analysis and Management or	3 hrs
FIN 4533	Financial Derivatives or	3 hrs
FIN 4604	International Financial Management	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Fitness Training - Minor

College of Education and Human Performance

Department of Educational and Human Sciences,

Education Building, Room: 209

Patty Lanier, PattyLanier@ucf.edu, 407-823-0623

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to seek industry certification in

the Sport and Fitness Profession. This Minor is available for students in the 2001 catalog year and beyond.

Minor Admission Requirements

- 2.5 GPA

Minor Requirements

- No grades below "C" (2.0) and no "S" grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- An overall GPA of 2.5 is required to satisfy the minor.

Prerequisite Courses

BSC 2010C	Biology I (or equivalent)	4 hrs
ZOO 3736C	Exercise Physiology Anatomy (or equivalent)	4 hrs

Required Courses

PET 4312C	Kinesiology/Biomechanics	(12 hrs)
PET 4550C	Assessment and Evaluation in Exercise Science	3 hrs
APK 4110C	Exercise Physiology	3 hrs
PET 3361	Nutrition and Metabolism in Sport and Exercise Science	3 hrs

Restricted Electives

Select 2: (6 hrs)

PET 3771	Strength and Conditioning Concepts or	3 hrs
PET 3768	Group Exercise Instruction or	3 hrs
PET 4215	Motivational Aspects of Athletic Performance or	3 hrs
PET 3125	Fitness and Weight Management or	3 hrs
PET 4552	Exercise Prescription for Special Populations	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

French - Minor

College of Arts and Humanities

Department of Modern Languages and Literatures,

Colbourn Hall, Room: 523

<http://ml.cah.ucf.edu/>

Email: flfacult@ucf.edu

Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

- None

Restricted Electives

- (18 hrs)
- Select six upper division courses in French, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18



Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Global Peace and Security Studies - Minor

College of Sciences

Department of Political Science,

Howard Phillips Hall, Room: 302

<http://politicalscience.cos.ucf.edu>

Department of History, Colbourn Hall, Room: 551

<http://history.cah.ucf.edu>

Dr. P. Vasquez, 407-823-2608

Dr. J. Sacher, 407-823-2225

In the face of some of the most complicated international peace and security challenges and opportunities that the global community has ever encountered, the ability to understand the factors that contribute to conflict and conflict-resolution is vitally important. Students who complete this minor will gain experience in the history of war and society, U.S. and international security policy, and causes of war.

Admission Requirements

- None

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor
- Students majoring in history or political science can take no more than 3 hrs of electives in their major department.

Prerequisite Courses

- Students must satisfy each course's prerequisite before enrolling in the class

Required Courses (6 hrs)

EUH 3651	War and Society	3 hrs
INR 4060	Causes of War	3 hrs

Restricted Electives (12 hrs)

AMH 3547	U.S. Military History Since 1900	3 hrs
AMH 4513	United States as a Great Power: 1945-Present	3 hrs
ASH 3223	The Modern Middle East	3 hrs
ASH 4243	History of Iraq	3 hrs
ASH 4404	China in 19th and 20th Centuries	3 hrs
DSC 4012	Terrorism	3 hrs
CPO 3403	Politics of the Middle East	3 hrs
CPO 4784	Political and Economic Inequality in Comparative Perspective	3 hrs
EUH 3242	Modern Europe and the First World War	3 hrs
EUH 3281	Second World War and Rebirth of Europe	3 hrs
EUH 4284	Fascism and Nazism in the Interwar Europe	3 hrs
EUH 4663	History of Communism in Europe	3 hrs
IDS 4315	Global Perspectives	3 hrs
INR 3253	International Politics of Africa	3 hrs
INR 4011	Politics of Globalization	3 hrs
INR 4030	Diplomacy	3 hrs
INR 4063	The Cold War	3 hrs
INR 4060	Causes of War	3 hrs
INR 4075	Human Rights Policy	3 hrs
INR 4084	Politics of International Terrorism	3 hrs
INR 4102	American Foreign Policy	3 hrs
INR 4114	American Security Policy	3 hrs
INR 4115	Strategic Weapons and Arms Control	3 hrs
INR 4224	Contemporary International Politics of Asia	3 hrs
INR 4243	International Politics of Latin America	3 hrs
INR 4304	Issues in International Public Policy	3 hrs
INR 4335	Coercion in International Politics	3 hrs
INR 4364	The Intelligence Community	3 hrs
INR 4774	Military Space Policy	3 hrs
LAH 3200	Modern Latin America	3 hrs

PLA 4583	Cyber Law I	3 hrs
POS 3253	Contemporary Revolution and Political Violence	3 hrs
POT 4632	Religion and Politics	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, and substitute courses/new courses are allowed at the chair's discretion with prior approval.

Health Informatics and Information Management - Minor

College of Health and Public Affairs

Department of Health Management and Informatics,

Health & Public Affairs II, Room: 210

Dr. Alice Noblin, anoblin@ucf.edu, 407-823-2353

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (20 hrs)

HIM 3006	Foundations of Health Information Management (HIM)	3 hrs
HIM 4508C	Quality Management	3 hrs
HIM 4656C	Health Information Management Systems	3 hrs
HSC 3537	Medical Terminology	3 hrs
HIM 4226C	Coding Procedures I	5 hrs
HIM 4256C	Coding Procedures II	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 20

Other Requirements

- A minimum overall GPA of 2.5 is required. A minimum grade of "C" (2.0) is required in each course for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.

Health Sciences - Minor

College of Health and Public Affairs

Department of Health Professions,

Health & Public Affairs II, Room: 267

Dr. Timothy Worrell, 407-823-5236

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (9 hrs)

HUN 2201	Fundamentals of Human Nutrition	3 hrs
HSC 3110	Medical Self Assessment	3 hrs
HSC 3211	Preventive Health Care	3 hrs



Minors

Restricted Electives (9 hrs)

HSC 3147	Introduction to Pharmacology	3 hrs
HSC 4555	Pathophysiology I	3 hrs
HSC 4558	Pathophysiology II	3 hrs
HSC 4501	Epidemiology of Chronic Diseases	3 hrs
HSC 3432	Occupational Safety for the Health Care Professional	3 hrs
HSC 4572	Clinical Nutrition	3 hrs
HSC 4730	Applied Health Research Methodology	3 hrs
HSC 4008	Professional Development in Health Professions	3 hrs
HSC 4652	Health Law and Ethics	3 hrs
HSC 3559	Disabilities in American Society	3 hrs
HSC 4564	Health Care Needs of the Elderly	3 hrs
ATR 3203C	Upper Extremity Function and Measurement	3 hrs
ATR 3204C	Lower Extremity Function and Measurement	3 hrs
ATR 3312C	Injury, Management, and Rehabilitation	3 hrs
PET 4606	Applied Fitness in Sport	3 hrs
HSC 3537	Medical Terminology	3 hrs
HSC 3593	HIV Disease: A Human Concern	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Majors may not count courses presently required in a department program
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Health Services Administration - Minor

College of Health and Public Affairs

Department of Health Management and Informatics, Health & Public Affairs II, Room: 210

Email: hsainfo@ucf.edu

Dr. Jennifer Sumner, Undergraduate Program Director
Phone: 407-823-2359

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

HSA 3111	U.S. Health Care Systems	3 hrs
HSC 4201	Community Health	3 hrs
HSA 4180	Organization & Management for Health Agencies I	3 hrs
HSA 4191	Health Care Automation	3 hrs
HSC 4500	Epidemiology	3 hrs

Restricted Electives (3 hrs)

- Additional prerequisite courses may be required

Select 1: 3 hrs

HSC 4652	Health Law and Ethics or	3 hrs
HSA 4109	Principles of Managed Care or	3 hrs
HIM 4508C	Quality Management or	3 hrs
HSA 4702	Health Sciences Research Methods	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all courses for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Health Management and Informatics.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

History - Minor

College of Arts and Humanities

Department of History, Colbourn Hall, Room: 551

<http://history.cah.ucf.edu/>

Phone: 407-823-2225

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

Restricted Upper Division Electives 15 hrs

Restricted Electives (3 hrs)

History Elective 3 hrs

- Any course taught within the History Department

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C-" (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor's approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

Hospitality Management - Minor

Rosen College of Hospitality Management

Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819

<http://www.hospitality.ucf.edu>

Email: hospitality@mail.ucf.edu

Dr. Fevzi Okumus, Department Chair

Dr. Abraham Pizam, Dean

Phone: 407-903-8000

Not available to majors within the Rosen College of Hospitality Management.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

Take all of the following: 6 hrs

HFT 1000	Introduction to the Hospitality and Tourism Industry and	3 hrs
HFT 3540	Guest Services Management I	3 hrs



Select 2:		6 hrs
HFT 2401	Hospitality Industry Financial Accounting or	3 hrs
HFT 3431	Hospitality industry Managerial Accounting	3 hrs
	or	
HFT 2500	Hospitality and Tourism Marketing or	3 hrs
HFT 2220	Hospitality Human Resources Management	3 hrs
	or	
HFT 3444	Hospitality Information Systems or	3 hrs
HFT 3603	Legal Environment in the Hospitality and	3 hrs
	Tourism Industry or	
HFT 4464	Hospitality Industry Finance or	3 hrs
HFT 4286	Hospitality Communications	3 hrs

Select 2:		6 hrs
HFT 3700	Tourism Management or	3 hrs
HFT 3263	Restaurant Management or	3 hrs
HFT 3273	Principles of Resort Timesharing or	3 hrs
HFT 4755	Theme Park and Attraction Management or	3 hrs
HFT 2750	The Event Industry or	3 hrs
FSS 2221C	Techniques of Food Preparation or	4 hrs
HFT 2254	Lodging Operations or	3 hrs
HFT 4277	Yacht, Country, And City Club	3 hrs
	Management	

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum overall GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student's responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Final Exam Week only.
- Internship or Independent Study credit cannot be used toward the minor.

Human Communication - Minor

College of Sciences

Nicholson School of Communication, NSC, Room: 143

<http://communication.cos.ucf.edu>

Dr. Jim Katt, jkatt@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu

Phone: 407-823-2681

Minor Admission Requirements

- Not open to Ad-PR, Human Communication, Journalism, or Radio-TV majors.

Minor Requirements

- None

Prerequisite Courses

- Students must satisfy course prerequisites before enrolling.

Required Courses		(12 hrs)
COM 3011C	Communication and Human Relations	3 hrs
COM 3120	Organizational Communication	3 hrs
SPC 3301	Interpersonal Communication	3 hrs
COM 3311	Communication Research Methods	3 hrs

Restricted Electives (9 hrs)

Select from the following courses:

COM 3013	Communication and the Family	3 hrs
COM 3022	Health Communication	3 hrs
COM 3110	Business and Professional Communication	3 hrs
COM 3332	Communication, Technology, and Change	3 hrs

COM 3406	Role of Motivation in Communication	3 hrs
COM 4014	Gender Issues in Communication	3 hrs
COM 4416	Terrorism and Communication	3 hrs
COM 4461	Intercultural Communication	3 hrs
COM 4462	Conflict Management	3 hrs
SPC 3445	Leadership Through Oral Communication	3 hrs
SPC 3513C	Argumentation and Debate	3 hrs
SPC 4331	Nonverbal Communication	3 hrs
SPC 4426	Group Dynamics	3 hrs
SPC 4540	Attitudes and Communication	3 hrs
Independent study or Special topics course if approved by the coordinator prior to enrolling in the class		3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit can be used toward this minor with prior approval.

Humanities - Minor

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

<http://philosophy.cah.ucf.edu/>

Email: philosophy2@ucf.edu

Dr. Travis Rodgers, travis.rodgers@ucf.edu, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes and methods. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (21 hrs)

Humanities Foundations 6 hrs

Select 2:		6 hrs
HUM 3252	Contemporary Humanities or	3 hrs
HUM 3255	Modern Humanities or	3 hrs
HUM 3431	Ancient Humanities or	3 hrs
HUM 3435	Medieval Humanities	3 hrs

Humanistic/Religious Traditions 12 hrs

Select 2: 6 hrs

ANT 3245	Native American Religions or	3 hrs
HUM 3401	Asian Humanities or	3 hrs
REL 3333	Hinduism or	3 hrs
REL 3363	Islam or	3 hrs
REL 3403	Christianity or	3 hrs
REL 3320	Moses, Jesus and Muhammad or	3 hrs
JST 3401	Jewish People in Antiquity or	3 hrs
PHH 3701	Native American Philosophy	3 hrs



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Select 2:		6 hrs
HUM 4330	Performance Theory or	3 hrs
PHM 3022	Sexuality, Gender & Philosophy or	3 hrs
PHI 3033	Philosophy, Religion, and the Environment	3 hrs
	or	
PHI 3638	Ethical Issues in the 21st Century or	3 hrs
PHI 3803	Philosophy and Creativity or	3 hrs
PHI 4321	Philosophies of Embodiment: Mind/Body/	3 hrs
	Self or	
PHM 3123	Feminist Theories or	3 hrs
REL 3111	Religion and Philosophy Through Film or	3 hrs
REL 3115	Religion, Spirituality, and Popular Music	3 hrs

Restricted Electives (3 hrs)

- Select one additional course from the above list or from the following:

HUM 3320	Contemporary Multicultural Studies	3 hrs
HUM 4301	The Classical Ideal	3 hrs
PHI 4804	Critical Theory	3 hrs
PHI 3800	Aesthetics	3 hrs
PHI 3700	Philosophy of Religion	3 hrs
CLT 3370	Classical Mythology	3 hrs
CLT 3378	Comparative Mythology	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A "C" (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Information Technology - Minor

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,
Room: 346

<http://www.eecs.ucf.edu>

Dr. Mark Llewellyn, Markl@cs.ucf.edu

Phone: 407-823-3327

Minor Admission Requirements

- Not open to Information Technology majors.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (3 hrs)

- Select one of the following courses:
- | | | |
|-----------|------------------------------------|-------|
| COP 2500C | Concepts in Computer Science | 4 hrs |
| COP 3223 | Introduction to Programming with C | 3 hrs |

Restricted Electives (15 hrs)

- Choose 5 courses from the following: CGS 3175 or courses required for the IT major.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Not open to Information Technology majors.
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within the Computer Science program at UCF.
- No credit by exam (TSD, Military credit) may be used.

- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

- The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.

Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor

College of Engineering and Computer Science
Engineering, Room: 107

<http://www.cecs.ucf.edu>

Paul Edlen, paule@mail.ucf.edu, 407-823-2455

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses (3 hrs)

Select 1: 3 hrs

- A high-level programming language class (like the following or its equivalent) is required for the minor.

COP 3223	Introduction to Programming with C or	3 hrs
EGN 3211	Engineering Analysis and Computation	3 hrs

Required Courses (6 hrs)

EGN 4060C	Introduction to Robotics	3 hrs
EEL 4660	Robotic Systems	3 hrs

Restricted Electives (12 hrs)

Select 4: 12 hrs

- Note: Courses with equivalent content cannot both be counted toward the electives.

CAP 4053	AI for Game Programming or	3 hrs
CAP 4453	Robot Vision or	3 hrs
CAP 4630	Artificial Intelligence or	3 hrs
CAP 5415	Computer Vision or	3 hrs
CAP 5512	Evolutionary Computation or	3 hrs
CAP 5610	Machine Learning or	3 hrs
COP 3503C	Computer Science II or	3 hrs
EEL 3657	Linear Control Systems or	3 hrs
EEL 4612C	Introduction to Modern and Robust Control	4 hrs
	or	
EEL 4750	Digital Signal Processing Fundamentals or	3 hrs
EEL 4818H	Honors Current Topics in Machine Learning	3 hrs
	I or	
EEL 4872	Engineering Applications of Intelligent	3 hrs
	Systems or	
EEL 5669	Autonomous Robotic Systems or	3 hrs
EEL 5173	Linear Systems Theory or	3 hrs
EEE 5513	Digital Signal Processing Applications or	3 hrs
EEL 5625	Applied Control Systems or	3 hrs
EEL 5630	Digital Control Systems or	3 hrs
EEL 5820	Image Processing or	3 hrs
EEL 5825	Pattern Recognition or	3 hrs
EGN 3321	Engineering Analysis-Dynamics or	3 hrs
EML 3217	Engineering Mechanics - Dynamics or	3 hrs
EML 3262	Kinematics of Mechanisms or	3 hrs
EML 4225	Introduction to Vibrations and Controls or	3 hrs
EML 4312C	Feedback Control or	3 hrs
EML 4313	Intermediate System Dynamics and	3 hrs
	Controls or	
EML 4264	Vehicle Dynamics or	3 hrs
EML 4804C	Digital Control in Mechatronics or	3 hrs
EML 5311	System Control or	3 hrs
EML 5290	Introduction to MEMS and Micromachining	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.



- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
 - Students whose major requires senior design courses are encouraged to take the following courses and to undertake a project in intelligent robotic systems.
- | | | |
|-----------|-----------------------------|-------|
| EGN 4412C | Interdisciplinary Design I | 3 hrs |
| EGN 4413C | Interdisciplinary Design II | 3 hrs |

International and Global Studies - Minor

College of Sciences

Department of Political Science,

Howard Phillips Hall, Room: 302

<http://politicalscience.cos.ucf.edu/>

Email: politics@ucf.edu

Dr. Paul Vasquez

Phone: 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state's internal characteristics impact that state's political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Minor Admission Requirements

- Double major/dual degree policy in Political Science programs and minors:
- 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
- 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses		(6 hrs)
IDS 4315	Global Perspectives	3 hrs
GEO 3471	World Political Geography	3 hrs

Restricted Electives (15 hrs)

- Substitutions require prior approval by the program advisor.

A. Political Science:

Select courses from this grouping:		6 hrs
INR 4011	Politics of Globalization or	3 hrs
INR 4030	Diplomacy or	3 hrs
INR 4035	International Political Economy or	3 hrs
INR 4054	Global Politics of Energy or	3 hrs
INR 4074	Immigration Policy or	3 hrs
INR 4075	Human Rights Policy or	3 hrs
INR 4076	Global Drug Policy or	3 hrs
INR 4350	Global Environmental Politics or	3 hrs
INR 4502	International Organizations or	3 hrs
INR 4603	International Relations Theory or	3 hrs
INR 4714	Politics of International Trade Policy	3 hrs

B. Area Studies: 6 hrs

- Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies

- Courses may not have a prefix of INR, CPO, POT, POS or PUP.

C. Other:

Select one course from this grouping: 3 hrs

CPO 3103	Comparative Politics or	3 hrs
CPO 4062	Comparative Judicial Process or	3 hrs
CPO 4074	Political Economy or	3 hrs
CPO 4754	Comparative Political Institutions or	3 hrs
CPO 4710	Women in Comparative Politics or	3 hrs
CPO 4784	Political and Economic Inequality in	3 hrs
	Comparative Perspective or	
CPO 4445	Comparative Political Parties or	3 hrs
DSC 4012	Terrorism or	3 hrs
EUH 3651	War and Society or	3 hrs
MMC 4300	International Media or	3 hrs
SYP 4454	Global Inequality and Society or	3 hrs
THE 3312	Theatre History and Dramatic Literature	3 hrs
	Il or	
	Three one credit Foreign Language across the Curriculum (FLAC) courses	3 hrs

Foreign Language Requirements

- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Total Semester Hours Required

- 21

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental approval.

International Business - Minor

College of Business Administration

Department of Finance,

Business Administration I, Room: 409

<http://web.bus.ucf.edu>

Robert Sweo, rsweo@bus.ucf.edu, 407-823-1237

Minor for Business Majors

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (13 hrs)

FIN 4604	International Financial Management	3 hrs
GEB 3375	Introduction to International Business	4 hrs
MAN 4600	International Management	3 hrs
MAR 4156	International Marketing	3 hrs

Restricted Electives (6 hrs)

Select two of the following:		
ECO 3703	International Microeconomics	3 hrs
ECO 3704	Global Economic Policy	3 hrs
ECO 4713	International Macroeconomics	3 hrs
ECS 4013	Development Economics	3 hrs
GEB 3955	Study Abroad	3 hrs
GEB 4361	Business in the International Environment	3 hrs
GEB 4374	International Negotiations and Transactions	3 hrs
GEB 4955	Study Abroad	3 hrs
GEO 3471	World Political Geography	3 hrs
INR 4035	International Political Economy	3 hrs



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INR 4224	Contemporary International Politics of Asia	3 hrs
INR 4243	International Politics of Latin America	3 hrs
INR 4401	International Law	3 hrs
MAR 4724	Strategic Foundations in Global E-Business	3 hrs
Any 3000/4000 level foreign language course.		

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" from other institutions are not accepted.
- Courses taken at Florida College System institution do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of seven hours of the above listed required or elective courses can count toward another major or minor degree program.

International Engineering - Minor

College of Engineering and Computer Science

Engineering, Room: 107

<http://www.cecs.ucf.edu>

Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today's global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements

- Admission by interview with the Program Director

Minor Requirements

- Minimum UCF Overall GPA of 2.5.

Prerequisite Courses

- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses

(18 hrs)

- The International minor in Engineering or Computer Science is composed of three parts:

Language Skill Acquisition

6 hrs

- It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries in where English is widely spoken.
- If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework, appropriate to the region of study, at UCF in lieu of the foreign language credits. This alternative international coursework will consist of two of the following courses (or an equivalent(s) approved by the program coordinator):

ANT 3212	Peoples of the World	3 hrs
ANT 3541	Biobehavioral Anthropology	3 hrs
ANT 4332	People and Cultures of Latin America	3 hrs
ANT 3610	Language and Culture	3 hrs
ASH 4404	China in 19th and 20th Centuries	3 hrs
ASH 4442	Modern Japan, 19th and 20th Centuries	3 hrs
COM 4461	Intercultural Communication	3 hrs
CPO 3034	Politics of Developing Areas	3 hrs
CPO 3103	Comparative Politics	3 hrs
CPO 3104	Politics of Western Europe	3 hrs
CPO 4101	Politics of the European Union	3 hrs
CPO 4303	Comparative Latin American Politics	3 hrs
CPO 4643	Government and Politics of Russia	3 hrs
GEO 3471	World Political Geography	3 hrs
REL 3333	Hinduism	3 hrs
REL 3363	Islam	3 hrs
IDS 3333	World Comparative Studies	3 hrs
INR 4035	International Political Economy	3 hrs
INR 4102	American Foreign Policy	3 hrs
INR 4224	Contemporary International Politics of Asia	3 hrs
INR 4243	International Politics of Latin America	3 hrs
INR 4401	International Law	3 hrs

Cultural Coursework

3 hrs

- It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:

- Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available

- Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

Study Abroad Experience

9 hrs

- The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad. Minimally, 6 hours must meet requirements of the student's major program.



■ Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student's home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Restricted Electives

- None

Foreign Language Requirements

- See Language Skills Acquisition

Total Semester Hours Required

- 18

Other Requirements

- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Italian - Minor

College of Arts and Humanities

Department of Modern Languages and Literatures,

Colbourn Hall, Room: 523

<http://mll.cah.ucf.edu/>

Email: flfacult@ucf.edu

Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

- None

Restricted Electives (18 hrs)

- Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Journalism Studies - Minor

College of Sciences

Nicholson School of Communication, NSC, Room: 143

<http://communication.cos.ucf.edu>

Dr. Kim Voss, Area Coordinator, kvoss@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu, 407-823-2681

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

Minor Admission Requirements

- Not open to Ad-PR, Journalism, or Radio-TV majors

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy minor.
- Grades below a "C" (2.0) are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses

JOU 3004	History of American Journalism	3 hrs

Restricted Electives

(15 hrs)

■ Select from the following:		
JOU 3304	Journalism Readings	3 hrs
JOU 3015	Principles of Journalism	3 hrs
JOU 3510	Magazine Publishing	3 hrs
JOU 4700	Journalism Ethics	3 hrs
MMC 2004	Mass Media	3 hrs
MMC 3200	Mass Communication Law	3 hrs
MMC 4300	International Media	3 hrs
VIC 3001	Visual Communication	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

Judaic Studies - Minor

College of Arts and Humanities

Program in Judaic Studies,

Colbourn Hall, Room: 415 E-J

<http://www.judaicstudies.cah.ucf.edu>

Email: judaicst@ucf.edu

Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies, Women's Studies, Religious Studies, and Middle Eastern Studies programs. Interested students are encouraged to meet with the program director. Students minoring in Judaic Studies should take 6 HBR or JST courses, for a total of 18-20 credit hours.

Minor Admission Requirements

- None

Minor Requirements

- None



Minors

Prerequisite Courses

- None

Required Courses

- None

Restricted Electives

(18 hrs)

- Choose 6 Restricted Electives courses.

Jewish History

JST 3401	Jewish People in Antiquity	3 hrs
JST 3402	Wanderings: The Jewish People in Dispersion	3 hrs
JST 3415	American Jewish History	3 hrs
JST 3481	20th Century Jewish History and Thought	3 hrs
JST 3701	History of the Holocaust	3 hrs
JST 3417	Sephardi Jews: History, Culture, and Folklore	3 hrs

Bible

JST 3120	Hebrew Scriptures	3 hrs
JST 3125	The Book of Job	3 hrs
JST 3126	Romantic Love in the Bible	3 hrs
JST 3144	Dead Sea Scrolls	3 hrs
JST 3190	The Biblical Prophets	3 hrs
JST 3424	Biblical Archaeology	3 hrs

Literature

JST 3100	The Hebrew Creative Mind	3 hrs
JST 3312	Identity and Genre	3 hrs
JST 3751	Literature of the Holocaust	3 hrs
JST 3803	The Israeli Experience in Short Stories	3 hrs

Jewish Civilization

JST 3005	Tenets of Judaism	3 hrs
JST 3121	Classic Texts of Judaism	3 hrs
JST 3210	Kabbalah: Jewish Mysticism	3 hrs
JST 3620	Contemporary Jewish Ethics and Morality	3 hrs

Culture

JST 3450	Modern Jewish Experience	3 hrs
JST 3810	The Jewish National Movement and Roots of Zionism	3 hrs
JST 3820	Modern Israeli Culture	3 hrs
JST 3551	The Holy and the Profane: The Introduction of Secularism into Modern Judaism	3 hrs
JST 3550	Introduction of Modernism into Judaism	3 hrs
JST 3821	Building a Nation - the Challenges to and Accomplishments of the State of Israel	3 hrs

Language

HBR 1120	Elementary Modern Hebrew Language and Culture I	4 hrs
HBR 1121	Elementary Modern Hebrew Language and Culture II	4 hrs
HBR 2200	Intermediate Modern Hebrew I	3 hrs
HBR 2201	Intermediate Modern Hebrew II	3 hrs
HBR 3250	Biblical Hebrew	3 hrs
HBR 3410	Conversational Israeli Hebrew	3 hrs

Other courses, including special topics, with the approval of the Director

Foreign Language Requirements

- None

Total Semester Hours Required

- 20

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Requirement for minor is 18-20 credits.

Latin American Area Studies - Minor

College of Arts and Humanities

Program in Latin American Studies,

Colbourn Hall, Room: 122

<http://las.cah.ucf.edu/>

Phone: 407-823-1173

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

Minor Admission Requirements

- Admission by interview with the Program Director.

Minor Requirements

- Successful completion of the following courses, or demonstration of proficiency.

SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs
SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs

Prerequisite Courses

- None

Required Courses

- None

Restricted Electives

(18 hrs)

- At least 6 hours must be from one disciplinary group, and at least 3 hours from two additional groups. The remaining hours may be selected from any of the disciplinary groups. Additional courses not listed below may substitute with prior approval from the Program Director.

Anthropology

ANT 3164	Ancient Incas	3 hrs
ANT 3168	Maya Archaeology	3 hrs
ANT 4332	People and Cultures of Latin America	3 hrs
ANT 4340	Caribbean Cultures	3 hrs

History

ARH 4653	Meso American Art	3 hrs
ARH 3673	Modern Art of Mexico	3 hrs
ARH 3670	20th Century Latin American Art	3 hrs

Modern Languages and Literature

SPN 2200	Intermediate Spanish Language and Civilization I	3 hrs
FRW 3770	Francophone Literature	3 hrs
SPW 3130	Survey of Latin-American Literature I	3 hrs
SPW 3131	Survey of Latin-American Literature II	3 hrs
LIT 3192	Caribbean Literature	3 hrs
FRW 3752	French Caribbean Literature	3 hrs
SPW 4382	Central American Literature	3 hrs
AML 3615	Harlem, Haiti, and Havana	3 hrs
AML 4630	Latino/Latina Literature	3 hrs
SPN 3852	Bilinguismo	3 hrs
SPW 4730	Hispanic Literature of the United States	3 hrs
SPN 4780	Spanish Phonetics	3 hrs

History

LAH 3130	Latin American History I	3 hrs
LAH 3200	Modern Latin America	3 hrs
LAH 3400	History of Mexico and Central America	3 hrs
LAH 3470	History of the Caribbean	3 hrs
AMH 3586	History of the Hispanic Minorities in the U.S.	3 hrs

Latin American Studies

LAS 4906	Directed Independent Study	1 hr
LAS 4023	African Caribbean Experience	3 hrs

Political Science

CPO 4303	Comparative Latin American Politics	3 hrs
INR 4243	International Politics of Latin America	3 hrs



Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

Leadership Studies - Minor

Office of Undergraduate Studies

Office of Interdisciplinary Studies,

Classroom Building I, Room: 302

<http://www.is.ucf.edu>

Email: is@ucf.edu

Phone: 407-823-0144

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(19 hrs)

Foundation Requirement

4 hrs

LDR 2001	Foundations of Leadership	2 hrs
LDR 2002	Intermediate Foundations of Leadership	2 hrs

Restricted Requirements

15 hrs

- Choose one course from each of the five areas:

Communication

3 hrs

COM 3011C	Communication and Human Relations or	3 hrs
COM 3120	Organizational Communication or	3 hrs
COM 4461	Intercultural Communication or	3 hrs
COM 4462	Conflict Management or	3 hrs
ENC 3250	Professional Writing or	3 hrs
SPC 3445	Leadership Through Oral Communication	3 hrs

Collaboration

3 hrs

INP 3004	Industrial/Organizational Psychology or	3 hrs
INP 4313	Organizational Psychology or	3 hrs
MAN 4240	Organizations: Theory and Behavior or	3 hrs
MAN 3025	Management of Organizations or	4 hrs
SPC 4426	Group Dynamics	3 hrs

Social Relations and Culture

3 hrs

ANT 3541	Biobehavioral Anthropology or	3 hrs
CLP 3143	Abnormal Psychology or	3 hrs
COM 4461	Intercultural Communication or	3 hrs
EXP 3304C	Motivation or	3 hrs
SOP 3004C	Social Psychology or	3 hrs
SOP 3723	Cross Cultural Psychology or	3 hrs
SOP 3742	Psychology of Women or	3 hrs
SOP 3784	Psychology of Diversity	3 hrs

Politics

3 hrs

PAD 3003	Public Administration in American Society or	3 hrs
PAD 4104	Administrative Theory or	3 hrs
PAD 4144	Nonprofit Organizations or	3 hrs
PAF 4754	Interdisciplinary Leadership in Public Affairs or	3 hrs

POS 3413	The American Presidency or	3 hrs
POS 4206	Political Psychology or	3 hrs
PUP 3325	Women and Political Behavior or	3 hrs
SYO 4300	Political Sociology	3 hrs

Ethics

3 hrs

BUL 3130	Legal and Ethical Environment of Business or	4 hrs
EDF 3601	Professional Ethics in Education or	3 hrs
PAD 3040	Ethics and Values in Public Administration or	3 hrs
PHI 2108	Critical Thinking or	3 hrs
PHI 3638	Ethical Issues in the 21st Century or	3 hrs
PHI 3640	Environmental Ethics	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- Earn a grade of "C" (2.0) or better in each course used to satisfy the minor.
- At least 15 credit hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

Legal Studies - Minor

College of Health and Public Affairs

Department of Criminal Justice and Legal Studies,

Health & Public Affairs I, Room: 343

<http://www.cohpa.ucf.edu/legalstudies/index.shtml>

Email: legalstudies@ucf.edu

Dr. David Slaughter

Phone: 407-823-1670

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(3 hrs)

PLA 3014	Law and the Legal System	3 hrs

Restricted Electives

(18 hrs)

Restricted Upper Division Electives

15 hrs

- 15 Semester hours of legal studies courses selected with the aid of an advisor

Restricted Electives

3 hrs

- 3 semester hours of law-related courses selected with the aid of an advisor

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A minimum grade of "C" (2.0) is required in each course to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Minors

Magazine Journalism - Minor

College of Sciences

Nicholson School of Communication, NSC, Room: 143

<http://communication.cos.ucf.edu>

Email: Journalism@ucf.edu

Dr. Kim Voss, Area Coordinator, kvoss@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu

Phone: 407-823-2681

Minor Admission Requirements

- Grammar proficiency requirement.
- A minimum UCF GPA of 3.0 is required.
- The minor is not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (9 hrs)

JOU 2100C	News Reporting	3 hrs
JOU 3510	Magazine Publishing	3 hrs
JOU 4224	Magazine Editing and Production	3 hrs

Restricted Electives (9 hrs)

Select from the following: 9 hrs

ENC 3310	Magazine Writing I or	3 hrs
JOU 3370	Social Media Writing for Magazines or	3 hrs
JOU 3201	Editing I or	3 hrs
JOU 4211C	Informational Graphics or	3 hrs
JOU 4213C	Page Design or	3 hrs
JOU 4300	Feature Writing or	3 hrs
JOU 4340C	Online Journalism I	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

Marketing - Minor

College of Business Administration

Department of Marketing,

Business Administration II, Room: 307S

Open to Business and Non-Business Students

Minor Admission Requirements

- Not available to Marketing Majors

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (4 hrs)

MAR 3023	Marketing	4 hrs

Restricted Electives (15 hrs)

- Select four or five:

MAR 3203	Supply Chain and Operations Management	4 hrs
MAR 3323	Integrated Marketing Communication	3 hrs
MAR 3391	Professional Selling	3 hrs
MAR 3403	Sales Force Management	3 hrs
MAR 3503	Consumer Behavior	3 hrs
¹ MAR 3613	Marketing Analysis and Research	3 hrs

MAR 3641	Marketing Intelligence	3 hrs
MAR 3721	Digital Media Marketing	3 hrs
MAR 3765	Entrepreneurial Marketing	3 hrs
MAR 4156	International Marketing	3 hrs
MAR 4231	Retailing Management	3 hrs
MAR 4711	Sport Marketing	3 hrs
MAR 4712	Healthcare Marketing	3 hrs
MAR 4715	Entertainment Marketing	3 hrs
¹ MAR 4803	Marketing Management	3 hrs
¹ MAR 4804	Marketing Strategy	3 hrs
MAR 4841	Services Marketing	3 hrs
MAR 4934	Contemporary Marketing Topics in Florida	3 hrs

¹ Requires prerequisites in addition to MAR 3023

Restricted Non-Marketing Elective 3 hrs

- Three hours of coursework may be chosen outside of marketing from the list below. However, other courses outside Marketing will also be considered--approval by petition to the Department.

ADV 3008	Principles of Advertising	3 hrs
ANT 3610	Language and Culture	3 hrs
COM 3011C	Communication and Human Relations	3 hrs
COM 3311	Communication Research Methods	3 hrs
COM 3120	Organizational Communication	3 hrs
COM 3110	Business and Professional Communication	3 hrs
ENC 3211	Theory and Practice of Technical Writing	3 hrs
EXP 3404C	Basic Learning Processes	3 hrs
HSA 3111	U.S. Health Care Systems	3 hrs
PHI 3803	Philosophy and Creativity	3 hrs
PPE 3003	Personality Theory and Research	3 hrs
PSY 3213C	Research Methods in Psychology	5 hrs
RTV 3007	Development and Structure of Electronic Media and New Technology	3 hrs
SOP 3004C	Social Psychology	3 hrs
SPC 3301	Interpersonal Communication	3 hrs
SPC 4331	Nonverbal Communication	3 hrs
SPC 4426	Group Dynamics	3 hrs
STA 4102	Computer Processing of Statistical Data	3 hrs
SYA 4300C	Research Methods	4 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used. Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Mass Communication - Minor

College of Sciences

Nicholson School of Communication, NSC, Room: 143

<http://communication.cos.ucf.edu>

Joan McCain, joan.mccain@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu

Phone: 407-823-2681

Minor Admission Requirements

- Not open to Ad-PR, Journalism, or Radio-TV majors.



Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses		(9 hrs)
ADV 3008	Principles of Advertising	3 hrs
MMC 2004	Mass Media	3 hrs
RTV 3007	Development and Structure of Electronic Media and New Technology	3 hrs

Restricted Electives (9 hrs)

Select from the following:

ADV 4103	Radio-Television Advertising	3 hrs
COM 3330	Computer Mediated Communication	3 hrs
FIL 2030	History of Motion Pictures	3 hrs
FIL 3006	Art of the Cinema	3 hrs
JOU 3004	History of American Journalism	3 hrs
JOU 3015	Principles of Journalism	3 hrs
JOU 4700	Journalism Ethics	3 hrs
MMC 3200	Mass Communication Law	3 hrs
MMC 3420	Mass Media Research Methods	3 hrs
MMC 3630	Social Media as Mass Communication	3 hrs
MMC 4300	International Media	3 hrs
MMC 4602	Contemporary Media Issues	3 hrs
PUR 3210	Communication Approach to Corporate Social Responsibility	3 hrs
PUR 4000	Public Relations	3 hrs
PUR 4400	Crisis Communication	3 hrs
RTV 3200	Production Fundamentals and Aesthetics of Electronic Media	3 hrs
RTV 4403	Electronic Media, Technology, and Society	3 hrs
RTV 4503	Sports Programming in Electronic Media	3 hrs
RTV 4700	Regulation of Broadcasting	3 hrs
VIC 3001	Visual Communication	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit can be used toward the minor with prior school permission.

Mass Culture and Collective Behavior - Minor

College of Sciences

Department of Sociology,

Howard Phillips Hall, Room: 403

<http://sociology.ucf.edu>

Email: sociology@ucf.edu

Dr. J. Jasinski, 407-823-3744

This minor provides students with an opportunity to learn about sociological research within the institutions of religion, sports, and leisure in order to develop a working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society.

Minor Admission Requirements

- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses		(6 hrs)
SYP 4000	Sociological Social Psychology	3 hrs

Required: Complete one of the following:		3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
SYG 2010	Social Problems	3 hrs

Restricted Electives (12 hrs)

Select from the following:

SYA 4650C	Community Action and Involvement	3 hrs
SYO 3000	Contemporary Society	3 hrs
SYO 4200	Religion in Society	3 hrs
SYP 3300	Fads, Crowds, and Social Action	3 hrs
SYP 3400	Social Change	3 hrs
SYP 3602	Patterns of Popular Music in Society	3 hrs
SYP 3630	Popular Culture In Society	3 hrs
SYP 3650	Sports and Society	3 hrs
SYP 4004	Constructing Social Issues	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Mathematical Biology - Minor

College of Sciences

Department of Mathematics

Mathematical Sciences Building, Room: 207

<http://math.ucf.edu>

Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu, 407-823-0147

Admission Requirements

- None

Minor Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the Department of Mathematics.
- This minor is not open to Math majors.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

BSC 2010C	Biology I	4 hrs
MAC 2311C	Calculus with Analytic Geometry I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs

Required Courses (21 hrs)

BSC 2011C	Biology II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Ordinary Differential Equations I	3 hrs
MAS 3105	Matrix and Linear Algebra	4 hrs
MAP 4484	Mathematical Biology I	3 hrs
MAP 4494	Mathematical Biology II	3 hrs

Restricted Electives (3 hrs)

Select from the following

BCH 4053	Biochemistry I	3 hrs
PCB 3023	Molecular Cell Biology	3 hrs
PCB 3044	Principles of Ecology	3 hrs
PCB 3063	Genetics	3 hrs
PCB 4683	Evolutionary Biology	4 hrs

Minors

Foreign Language Requirements

- None

Total Semester Hours Required

- 24

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Lower division courses do not substitute for Upper Division courses.

Mathematics - Minor

College of Sciences

Department of Mathematics,

Mathematical Sciences Building, Room: 207

<http://math.ucf.edu>

Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu
Phone: 407-823-0147

Minor Admission Requirements

- The minor is not open to Mathematics or Math Education majors.

Minor Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
- A minimum of 6 hours used to satisfy the Math Minor must be unique and not be used to satisfy the requirements of a major.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

MAC 2311C Calculus with Analytic Geometry I 4 hrs

Required Courses (11 hrs)

MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs

Restricted Electives (7 hrs)

- The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.

Select two from the following list of options:

- MAA XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MAD XXXX (any 3000, 4000, or 5000 level course)
- MAP XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MAS XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MTG XXXX (any 3000, 4000, or 5000 level course)
- Any mathematics Honors courses that are approved for this purpose by the Department Standards Committee

You may select either course if desired, but

not both.

MAS 3105 Matrix and Linear Algebra or 4 hrs
MAS 3106 Linear Algebra 4 hrs

You may select either sequence, but not both.

MAA 4226 Advanced Calculus I and 4 hrs
MAA 4227 Advanced Calculus II 3 hrs

or

MAA 5210 Topics in Advanced Calculus 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Mathematics Education - Minor

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

<http://education.ucf.edu/mathed/>

Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu,
407-823-4336

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

Phone: 407-823-5430

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (19 hrs)

■ A C- or better is required in these courses

EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
MAE 4360	Mathematics Instructional Analysis	4 hrs
MAE 4634	Programs in Teaching of Mathematics	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in mathematics as co-requisites
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

Medical Anthropology - Minor

College of Sciences

Department of Anthropology,

Howard Phillips Hall, Room: 309

<http://anthropology.cos.ucf.edu/>

Email: anthro@ucf.edu

Dr. Arlen Chase, 407-823-2227

The Medical Anthropology minor develops students' understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.



Minor Admission Requirements

- The minor is not open to Anthropology majors.

Minor Requirements

- Students must earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

ANT 2000	General Anthropology	3 hrs

Required Courses (12 hrs)

■	Complete all of the following:	
ANT 2410	Cultural Anthropology	3 hrs
ANT 2511	The Human Species	3 hrs
ANT 4408	Culture, Disease, and Healing	3 hrs
ANT 4462	Medical Anthropology	3 hrs

Restricted Electives

Restricted Electives, Group A: 3 hrs

■	Select from the list below:	
ANT 3241	Magic, Ritual, and Belief	3 hrs
ANT 3302	Sex, Gender and Culture	3 hrs
ANT 4467	Nutritional Anthropology	3 hrs
ANT 4516	Human Biological Diversity	3 hrs
ANT 4560	Anthropological Perspectives on Human Growth	3 hrs

Restricted Electives, Group B: 6 hrs

■	Select from the list below:	
ANT 3148	Life and Death in Ancient Egypt	3 hrs
ANT 3541	Biobehavioral Anthropology	3 hrs
ANT 3701	Applied Anthropology	3 hrs
ANT 4013	Anthropological Perspectives on Fast Food	3 hrs
ANT 4184	Mortuary Archaeology	3 hrs
ANT 4521	Forensic Anthropology	3 hrs
ANT 4525C	Human Osteology	4 hrs
ANT 4802	Ethnographic Field Methods	3 hrs
May substitute a health-related course from another department with prior permission from Anthropology.		3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- No Credit by exam (TSD, Military Credit) may be used to satisfy the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Medical Sociology - Minor

College of Sciences

Department of Sociology,

Howard Phillips Hall, Room: 403

<http://sociology.cos.ucf.edu>

Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role social forces play in the way society views, treats, understands, and responds to illness and disease. This minor facilitates an understanding of health and illness from a sociological perspective and prepares students for careers and graduate school in health related fields.

Minor Admission Requirements

- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses

- Most courses for this certificate will have prerequisites completed as a part of a student's GEP requirement or as general electives.

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses	(6 hrs)
SYO 4400 Medical Sociology	3 hrs

Required: Complete one of the following:	3 hrs
SYG 2000 Introduction to Sociology or	3 hrs
SYG 2010 Social Problems	3 hrs

Restricted Electives (12 hrs)

■	Select from the following:	
SYD 4020	Birth, Death, and Population Trends	3 hrs
SYO 3410	Patterns of Mental Health in Society	3 hrs
SYO 3408	Animals and Health	3 hrs
SYP 3551	Patterns of Alcoholism in Society	3 hrs
SYO 4402	Sociology of Health and Illness Behavior	3 hrs
SYP 4550	Patterns of Drug Abuse in Society	3 hrs
SYP 4730	Patterns of Aging in Society	3 hrs
SYP 4401	Social Determinants of Health	3 hrs
May substitute a relevant health-related course from another department with permission from Sociology.		3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Medieval and Renaissance Studies - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://www.english.ucf.edu/>

Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- Students are responsible for meeting any prerequisites for the courses in the minor.

Required Courses (6 hrs)

■	Select two courses from the following:	
HUM 3435	Medieval Humanities	3 hrs
EUH 3122	Medieval Society and Civilization	3 hrs
¹ ENL 4311	Chaucer	3 hrs
¹ ENL 4341	Milton and His Age	3 hrs
¹ ENL 4333	Shakespeare Studies	3 hrs

¹ Only one of these three courses will count towards required courses

Restricted Electives (12 hrs)

- Select no more than two from each disciplinary group:

Department of Art		
ARH 4200	Medieval Art	3 hrs
ARH 4310	Italian Renaissance Art	3 hrs

Minors

Department of English

ENL 4220	English Renaissance Poetry and Prose	3 hrs
ENL 4311	Chaucer	3 hrs
ENL 4333	Shakespeare Studies	3 hrs
ENL 4341	Milton and His Age	3 hrs

Department of History

AMH 4110	Colonial America, 1607-1763	3 hrs
AMH 4112	The Atlantic World	3 hrs
EUH 3122	Medieval Society and Civilization	3 hrs
EUH 3142	Renaissance and Reformation	3 hrs
EUH 3531	Medieval Ireland	3 hrs
EUH 3536	Early Modern Ireland	3 hrs
EUH 4500	English History to 1485	3 hrs
EUH 4501	English History: 1485-1815	3 hrs
EUH 4610	Women in European Society: From Medieval to Modern	3 hrs
EUH 3124	The Crusades	3 hrs

Department of Modern Languages

FRW 3100	Survey of French Literature I	3 hrs
ITW 3100	Survey of Italian Literature I	3 hrs
LAT 1120C	Elementary Latin Language and Civilization I	4 hrs
SPW 3100	Survey of Spanish Literature I	3 hrs
SPW 3370	Spanish Short Story	3 hrs
SPW 4310	Golden Age Drama	3 hrs
SPW 4322	Contemporary Iberian Theatre	3 hrs
SPW 4604	Cervantes	3 hrs
ITT 3443	Dante's Inferno	3 hrs

Department of Music

MUH 4322	Medieval and Renaissance Music	3 hrs

Department of Philosophy

PHH 3200	Medieval Philosophy	3 hrs
HUM 3435	Medieval Humanities	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

Middle Eastern Studies - Minor

College of Arts and Humanities

Program in Middle Eastern Studies,

Colbourn Hall, Room: 551

<http://middleeasternstudies.cah.ucf.edu/>

Dr. Hakan Ozoglu

The Middle Eastern Studies minor is designed to complement a student's major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(9 hrs)

CPO 3403	Politics of the Middle East	3 hrs
REL 3363	Islam	3 hrs
ASH 3223	The Modern Middle East	3 hrs

Restricted Electives

(9 hrs)

- Additional courses may be used only with prior permission of the program director.
- Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120, 1121)

ARA 2200	Intermediate Arabic Language and Civilization I	3 hrs
ASH 3222	Islam and Its Empires	3 hrs
ASH 5227	The Arab-Israeli Conflict	3 hrs
CPO 4710	Women in Comparative Politics	3 hrs
HBR 2200	Intermediate Modern Hebrew I	3 hrs
REL 3320	Moses, Jesus and Muhammad	3 hrs
JST 3401	Jewish People in Antiquity	3 hrs
JST 3402	Wanderings: The Jewish People in Dispersion	3 hrs
JST 3820	Modern Israeli Culture	3 hrs
PHH 3200	Medieval Philosophy	3 hrs
REL 2300	World Religions	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- At least 15 hours used to satisfy this minor must be at the upper division level.
- A grade of "C" or above (2.0) is required in each course for the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Military Science - Minor

College of Engineering and Computer Science

Army ROTC, Army ROTC, Room: 501

LTC Mario Johnson

Phone: 407-823-1872

Minor Admission Requirements

- Interview with Chair/Professor of Military Science to determine eligibility to meet requirements to contract and commission as an officer in the US Army.

Minor Requirements

- Eligibility for this minor is restricted to those students who meet the requirements to contract and commission as officers in the US Army. Students desiring to enroll in the advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet prerequisite requirements to contract and must obtain permission from the Chair/Professor of Military Science through an interview process, prior to participating in the advanced courses.

Prerequisite Courses

Military Science Prerequisites		8 hrs
MSL 1001C	Foundations of Officership	2 hrs
MSL 1002C	Basic Leadership	2 hrs
MSL 2101C	Individual Leadership Studies	2 hrs
MSL 2102C	Leadership and Teamwork	2 hrs

Required Courses

(16 hrs)

MSL 3201C	Leadership and Problem Solving	4 hrs
MSL 3202C	Leadership and Ethics	4 hrs
MSL 4301C	Leadership and Management	4 hrs
MSL 4302C	Officership	4 hrs

Restricted Electives

(3 hrs)

Select one of the following

3 hrs

AMH 3541	U. S. Military History To 1900	3 hrs
AMH 3547	U.S. Military History Since 1900	3 hrs



Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

Music - Minor

College of Arts and Humanities

Department of Music,

Performing Arts Center - Music, Room: M203

<http://music.cah.ucf.edu/>

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (10 hrs)

MUT 1004	Fundamentals of Music I	3 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs

Select 1: 3 hrs

MUL 2010	Enjoyment of Music or	3 hrs
MUL 2016	Evolution of Jazz or	3 hrs
MUL 2720	Music of the World or	3 hrs
MUH 2017	Survey of Rock Music or	3 hrs
MUH 2019	American Popular Music, 1840s-present	3 hrs

Restricted Electives (9 hrs)

- Restricted electives must be taken from the Department of Music at UCF and must include 3 hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Nonprofit Management/National Certification in

Nonprofit Management - Minor

College of Health and Public Affairs

School of Public Administration,

Health & Public Affairs II, Room: 238

Stephanie Krick, stephanie.krick@ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including "Other Requirements"), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

Minor Admission Requirements

- None

Minor Requirements

- Students must earn a "C" (2.0) or better in each course in the minor.

Prerequisite Courses

- None

Required Courses (9 hrs)

¹ PAD 3930	Nonprofit Leadership Seminar	1 hr
² PAD 4948	Nonprofit Management Internship	3 hrs
PAD 4144	Nonprofit Organizations	3 hrs

¹ One credit hour course repeated three semesters.

² Internships within other programs may be accepted with prior approval of Nonprofit Leadership Alliance advisor.

Restricted Electives (9 hrs)

- Student can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

Generalist Emphasis

- Choose at least one course from each of the following three groups

Select 1: 3 hrs

■ Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation

¹ ACG 2021	Principles of Financial Accounting or	3 hrs
¹ ACG 2071	Principles of Managerial Accounting or	3 hrs
¹ MAN 3025	Management of Organizations or	4 hrs
PAD 4131	Public Sector Project Management or	3 hrs
PAD 4204	Fiscal Management or	3 hrs
¹ PAD 5850	Grant and Contract Management or	3 hrs
¹ SOW 3401	Social Work Research or	3 hrs
PAD 4153	Planning and Improvement for Public Organizations or	3 hrs
PAD 4325	Program Evaluation for Public and Nonprofit Organizations	3 hrs

Select 1: 3 hrs

- Group II: Human Development and Human Resource Development and Volunteerism

¹ MAN 3301	Management of Human Resources or	3 hrs
¹ MAN 4101	Human Relations in Management or	3 hrs
¹ MAN 4320	Human Resources Recruitment and Selection or	3 hrs
PAD 4414	Human Resource Administration or	3 hrs
PAD 4148	Volunteer Management or	3 hrs
SOW 3284	Social Work Perspectives on Social Justice or	3 hrs
SOW 3104	Assessing I: Human Development or	3 hrs
DEP 2004C	Developmental Psychology or	3 hrs
DEP 3464	Psychology of Aging or	3 hrs
EDG 4941	Directed Field Experience	1 hr

Select 1: 3 hrs

- Group III: Communication & Marketing and Fund Raising Principles & Practices

¹ COM 3110	Business and Professional Communication or	3 hrs
¹ GEB 3031	Cornerstone: Professional Skills for Business or	3 hrs
MAR 3023	Marketing or	4 hrs
¹ MAR 3641	Marketing Intelligence or	3 hrs
MAR 4803	Marketing Management or	3 hrs
PAD 4147	Resource Development in the Nonprofit Sector or	3 hrs
¹ SOW 3352	Practice II: Interpersonal Skills in Social Work: or	3 hrs
SPC 3301	Interpersonal Communication	3 hrs

¹ Course has prerequisites or may be open to students in that major only. Please see catalog for details.

Public Affairs Emphasis 9 hrs

- Choose at least 3 courses from the following:
- | | | |
|----------|---|-------|
| PAD 4148 | Volunteer Management | 3 hrs |
| PAD 4153 | Planning and Improvement for Public Organizations | 3 hrs |
| PAD 4131 | Public Sector Project Management | 3 hrs |

Minors

PAD 4147	Resource Development in the Nonprofit Sector	3 hrs
PAD 4204	Fiscal Management	3 hrs
¹ PAD 4223	Public Budgeting: Skills and Techniques	3 hrs
¹ PAD 4253	Community & Economic Development	3 hrs
¹ PAD 4325	Program Evaluation for Public and Nonprofit Organizations	3 hrs

¹ Course has prerequisites or may be open to students in that major only. Please see catalog for details.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Enrollment in Nonprofit Leadership Alliance Program through Nonprofit Leadership Alliance program office.
- Attendance at one national Alliance Management/Leadership Institute (additional fees).
- Membership in UCF Nonprofit Management Student Association.
- Students must earn a "C" (2.0) or better in each course in the minor.

North American Indian Studies - Minor

College of Sciences

Department of Anthropology,

Howard Phillips Hall, Room: 309

<http://anthropology.cos.ucf.edu/>

Email: anthro@ucf.edu

Dr. Rosalyn Howard

Phone: 407-823-2227

The North American Indian Studies minor will enhance a student's understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for UCF undergraduates who are not majoring in Anthropology.

Minor Admission Requirements

- The minor is not open to Anthropology majors.

Minor Requirements

- Students must earn a grade of "C" (2.0) or better in all course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.

Prerequisite Courses

- Most courses for this minor will have prerequisites completed as a part of a student's GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

ANT 2000	General Anthropology	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs

Required Courses (12 hrs)

ANT 3245	Native American Religions	3 hrs
ANT 3312	Ethnology of North American Indians	3 hrs
ANT 4153	North American Archaeology	3 hrs
AMH 3580	North American Indians	3 hrs

Restricted Electives (6 hrs)

- Complete two of the following courses:
- Course substitutions must be approved in advance by the North American Indian Studies Program Director.

ANT 3152	Indians of the Southwest	3 hrs
ANT 3158	Florida Archaeology	3 hrs
ANT 3311	Indians of the Southeastern United States	3 hrs
ANT 3398	Black/Seminole Relations	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs
AMH 3441	History of the Frontier: Eastern America	3 hrs

AML 3643	Contemporary Native American Prose and Poetry	3 hrs
CPO 4794	Indigenous Politics and the Environment	3 hrs
POS 3076	American Indian Politics	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Performing Arts Administration - Minor

College of Arts and Humanities

Department of Music,

Performing Arts Center, Room: M203

<http://music.cah.ucf.edu/>

Kirk Gay, kirk.gay@ucf.edu

Phone: 407-823-5968

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

Minor Admission Requirements (6 hrs)

Take one of the following courses: 3 hrs

MUL 2010	Enjoyment of Music or	3 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs

Take one of the following courses: 3 hrs

THE 2000	Theatre Survey or	3 hrs
THE 2020	Survey of Theatre for Majors	3 hrs

Minor Requirements (31 hrs)

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

- The internship will be a capstone experience taking an average of ten hours per week. Students are responsible for securing an internship position, which may be paid or unpaid, on- or off-campus, with qualifying performing arts organization. Students will secure approval for internship positions and responsibilities from the department curriculum committee.

ACG 2021	Principles of Financial Accounting	3 hrs
PAD 4144	Nonprofit Organizations	3 hrs
TPA 4400	Theatre Management	3 hrs
MUS 4320	Music Business and Industry	3 hrs

Internship 3 hrs

THE 4941	Internship	1 hr

Restricted Electives (10 hrs)

- Select three courses, one from each of the three different areas.

Finance & Budgeting

FIN 2100	Personal Finance and Investments	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs

Management

MAR 3023	Marketing	4 hrs
MAN 3025	Management of Organizations	4 hrs

Nonprofit Sector

PAD 4148	Volunteer Management	3 hrs
PAD 4147	Resource Development in the Nonprofit Sector	3 hrs
PAD 3003	Public Administration in American Society	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 31



Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) are not accepted
- At least 15 hours in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.

Philosophy - Minor

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

<http://philosophy.cah.ucf.edu/>

Email: philosophy2@ucf.edu

Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(15 hrs)

- Select one course from each of the following groups:

Reasoning

Select 1:		3 hrs
PHI 2011	Philosophical Reasoning or	3 hrs
PHI 2101	Formal Logic I or	3 hrs
PHI 2647	Logic and Ethics or	3 hrs
PHI 3131	Formal Logic II or	3 hrs
PHI 2108	Critical Thinking	3 hrs

History of Philosophy

Select 1:		3 hrs
PHH 3100	Ancient Philosophy or	3 hrs
PHH 3200	Medieval Philosophy or	3 hrs
PHH 3460	Modern Western Philosophy or	3 hrs
PHH 3600	Contemporary Philosophy	3 hrs

Values and Society

Select 1:		3 hrs
PHI 3670	Ethical Theory or	3 hrs
PHI 3626	Advanced Ethics in Science and Technology or	3 hrs
PHM 3401	Philosophy of Law or	3 hrs
PHI 3800	Aesthetics or	3 hrs
PHM 3123	Feminist Theories or	3 hrs
PHI 3638	Ethical Issues in the 21st Century or	3 hrs
PHI 3625	Virtual Ethics or	3 hrs
PHI 4633	Ethics and Biological Science or	3 hrs
PHM 3100	Freedom and Justice or	3 hrs
PHI 3640	Environmental Ethics or	3 hrs
PHM 4031	Environmental Philosophy or	3 hrs
PHH 3701	Native American Philosophy or	3 hrs
PHI 3805	Contemporary Aesthetics	3 hrs

Being and Knowing

Select 1:		3 hrs
PHI 4500	Metaphysics or	3 hrs
PHI 4341	Ways of Knowing or	3 hrs
PHI 4300	Theories of Knowledge or	3 hrs
PHI 3700	Philosophy of Religion or	3 hrs
PHI 4400	Philosophy of Science or	3 hrs
PHI 3320	Philosophy of Mind or	3 hrs
PHI 3451	Philosophy of Psychology or	3 hrs
PHI 4420	Philosophy of Social Science or	3 hrs
PHI 3323	Minds and Machines: Philosophy of Cognitive Science or	3 hrs
PHP 4782	Phenomenology or	3 hrs
PHI 4221	Philosophy of Language	3 hrs

Topics in Philosophy

Select 1:		3 hrs
PHI 4931	Philosophy in the News or	3 hrs
PHI 4321	Philosophies of Embodiment: Mind/Body/ Self or	3 hrs
PHM 3022	Sexuality, Gender & Philosophy or	3 hrs
PHI 3033	Philosophy, Religion, and the Environment or	3 hrs
PHI 4804	Critical Theory or	3 hrs
PHP 3783	Modernity as a Philosophical Problem or	3 hrs
PHI 3750	The Problem of Evil or	3 hrs
PHI 3720	Faith and Reason or	3 hrs
PHI 3803	Philosophy and Creativity or	3 hrs
REL 3111	Religion and Philosophy Through Film or	3 hrs
PHP 3786	Existentialism or	3 hrs
PHP 4933	Key Concepts in Philosophy or	3 hrs
PHP 4931	Key Figures in Philosophy	3 hrs

Restricted Electives

(6 hrs)

- Must consult an advisor for approved courses in this area.
- Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

Philosophy, Religion and Popular Culture - Minor

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

<http://philosophy.cah.ucf.edu/>

Email: philosophy2@ucf.edu

Dr. Shelley Park, Shelley.Park@ucf.edu, 407-823-2273

The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(21 hrs)

- NOTE: Appropriate special topics in philosophy, religion and cultural studies, or humanities may be substituted for some core courses with prior approval by department advisor.

Theoretical Foundations

6 hrs

Take all of the following:

6 hrs

PHI 3684	Ways of Living and	3 hrs
PHI 4341	Ways of Knowing	3 hrs



Minors

Philosophy

Select 1:		3 hrs
PHI 2101	Formal Logic I or	3 hrs
PHI 3670	Ethical Theory or	3 hrs
PHI 3700	Philosophy of Religion or	3 hrs
PHI 3800	Aesthetics or	3 hrs
PHM 3100	Freedom and Justice or	3 hrs
PHI 3720	Faith and Reason or	3 hrs
PHP 3786	Existentialism or	3 hrs
PHI 4804	Critical Theory or	3 hrs
PHI 4300	Theories of Knowledge	3 hrs

Religion

Select 1:		3 hrs
CLT 3378	Comparative Mythology or	3 hrs
REL 3403	Christianity or	3 hrs
REL 3320	Moses, Jesus and Muhammad or	3 hrs
REL 3333	Hinduism or	3 hrs
REL 3363	Islam or	3 hrs
PHI 3750	The Problem of Evil	3 hrs

Popular Culture Studies

- Select at least one course from Contemporary Media
- Select at least one course from Contemporary Forms of Life

Contemporary Media

Select 1:		3 hrs
HUM 3320	Contemporary Multicultural Studies or	3 hrs
HUM 4330	Performance Theory or	3 hrs
PHI 3625	Virtual Ethics or	3 hrs
PHI 4931	Philosophy in the News or	3 hrs
POS 3235	Mass Media and Politics or	3 hrs
POS 3258	Politics in Film or	3 hrs
REL 3111	Religion and Philosophy Through Film or	3 hrs
REL 3115	Religion, Spirituality, and Popular Music or	3 hrs
SYP 3630	Popular Culture In Society	3 hrs

Contemporary Forms of Life

Select 1:		3 hrs
ANT 3302	Sex, Gender and Culture or	3 hrs
HUM 3252	Contemporary Humanities or	3 hrs
PHM 3022	Sexuality, Gender & Philosophy or	3 hrs
PHI 3033	Philosophy, Religion, and the Environment or	3 hrs
PHI 3629	Family Values or	3 hrs
PHI 4321	Philosophies of Embodiment: Mind/Body/Self or	3 hrs
PHM 3123	Feminist Theories or	3 hrs
PHM 3401	Philosophy of Law or	3 hrs
REL 3130	Religion in America	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A "C" (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Physics - Minor

College of Sciences

Department of Physics,

Physical Sciences Building, Room: 430

<http://www.physics.ucf.edu>

Email: physics@ucf.edu

Dr. Talat Rahman

Phone: 407-823-2325

Minor Admission Requirements

- The minor is not open to Physics majors.

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses

PHY 2048C	Physics for Engineers & Scientists I	(11 hrs)
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
PHY 3101	Physics for Engineers and Scientists III	4 hrs
		3 hrs

Restricted Electives

- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements

- None

Total Semester Hours Required

- 20

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Political Science - Minor

College of Sciences

Department of Political Science,

Howard Phillips Hall, Room: 302

politicalscience.cos.ucf.edu

Email: politics@ucf.edu

Dr. Roger Handberg

Phone: 407-823-2608

Minor Admission Requirements

- Double major/dual degree policy in Political Science programs and minors:
- 1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
- 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course;

POS 2041	American National Government	3 hrs

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

Prerequisite Courses

- Most courses for this minor will have prerequisites completed as a part of a student's GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.



Required Courses (3 hrs)
POS 2041 American National Government 3 hrs

Restricted Electives (15 hrs)
■ Five upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, and PUP; GEO 3471 or IDS 4315 are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
■ Only three hours of for the following course may be used:

POS 4941 Political Science Internship 3 hrs

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 18

Other Requirements

■ No credit by exam (TSD, Military credit) may be used.
■ Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Political Science/Prelaw - Minor

College of Sciences

Department of Political Science,

Howard Phillips Hall, Room: 302

<http://politicalscience.cos.ucf.edu/>

Email: politics@ucf.edu

Dr. Roger Handberg

Phone: 407-823-2608

Minor Admission Requirements

■ Double major/dual degree policy in Political Science programs and minors:
■ 1. Students who double minor in Political Science/Prelaw and International and Global Studies shall not count more than one course toward both programs.
■ 2. Students who major in International and Global Studies, and minor in Political Science/Prelaw, shall not count more than one course toward both programs, except the following:

POS 2041 American National Government 3 hrs

Minor Requirements

■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below "C" (2.0) in lower level courses are not accepted.
■ At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

Prerequisite Courses

■ Most courses for this minor will have prerequisites completed as a part of a student's GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (6 hrs)
POS 2041 American National Government 3 hrs
POS 4284 Judicial Process and Politics 3 hrs

Restricted Electives (12 hrs)

Select 1: 3 hrs
INR 4401 International Law or 3 hrs
POS 4603 American Constitutional Law I or 3 hrs
POS 4604 American Constitutional Law II 3 hrs

Restricted Upper Division Electives 9 hrs

■ Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, and PUP; GEO 3471 or IDS 4315 are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).

■ Only three hours of the following course may be counted:
POS 4941 Political Science Internship 3 hrs

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 18

Other Requirements

■ No credit by exam (TSD, Military credit) may be used.
■ Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Psychology - Minor

College of Sciences

Department of Psychology,

Psychology Building, Room: 301

<http://www.psych.ucf.edu/>

Email: psychadvising@ucf.edu

Psychology Advising Center, PSY 250

Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas; Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements

■ The minor is not open to psychology majors.

Minor Requirements

■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Students must maintain a minimum GPA of "C" (2.0) in the minor.
■ At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses

■ Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (10 hrs)
PSY 2012 General Psychology 3 hrs
PSY 3204C Statistical Methods in Psychology 4 hrs

Select one statistics course: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Restricted Electives (15 hrs)

A. Experimental

Select 1: 3 hrs
EXP 3204C Perception or 4 hrs
EXP 3404C Basic Learning Processes or 3 hrs
EXP 3604C Cognitive Psychology or 4 hrs
PSB 4240C Neuropsychology or 4 hrs
EXP 3640 Psychology of Language 3 hrs

B. Personality/Social

Select 1: 3 hrs
PPE 3003 Personality Theory and Research or 3 hrs
SOP 3004C Social Psychology 3 hrs

C. Developmental

Select 1: 3 hrs
DEP 2004C Developmental Psychology or 3 hrs
DEP 3202 Psychology of Exceptional Children or 3 hrs
DEP 3464 Psychology of Aging 3 hrs

D. Diversity

Select 1: 3 hrs
CLP 3184 Women's Mental Health or 3 hrs
SOP 3723 Cross Cultural Psychology or 3 hrs
SOP 3724 Psychology of Prejudice or 3 hrs
SOP 3742 Psychology of Women or 3 hrs
SOP 3784 Psychology of Diversity 3 hrs



Minors

E. Select one additional Psychology elective 3 hrs

- The following courses will NOT fulfill this requirement:

INP 3141C	Advanced Applied Psychology	3 hrs
INP 3951	Industrial/Organizational Field Work	3 hrs
PSY 3905	Directed Independent Study	1 hr
PSY 4906	Directed Independent Study	3 hrs
PSY 4912	Directed Independent Research	3 hrs
¹ PSY 3951	Undergraduate Field Work	3 hrs

¹ This course may fulfill the requirement with prior approval.

Foreign Language Requirements

- None

Total Semester Hours Required

- 25

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Public Administration - Minor

College of Health and Public Affairs

School of Public Administration,

Health & Public Affairs II, Room: 238

Email: pa/ba/bs@ucf.edu

Dr. Michael Abels, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (21 hrs)

PAD 3003	Public Administration in American Society	3 hrs
PAD 3733	Professional Administrative Writing in the Public Sector	3 hrs
PAD 4034	The Administration of Public Policy	3 hrs
PAD 4104	Administrative Theory	3 hrs
PAD 4204	Fiscal Management	3 hrs
PAD 4414	Human Resource Administration	3 hrs
PAD 4720	Survey Research in Public Administration	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A minimum GPA of 2.0 is required in each course used to satisfy the minor.
- Students must earn at least a 2.0 ("C") to earn credit.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without prior approval.

Real Estate - Minor

College of Business Administration

Dr. P. Phillips School of Real Estate,

Business Administration I, Room: 427

Students seeking advising must go to BA 2 room 101.

<http://www.bus.ucf.edu/realestate/>

Phone: 407-823-3575

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses (6 hrs)

ACG 2021	Principles of Financial Accounting	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Required Courses (13 hrs)

Required Courses

FIN 2100	Personal Finance and Investments	3 hrs
FIN 3403C	Business Finance	4 hrs
REE 3043	Fundamentals of Real Estate	3 hrs
REE 3433	Real Estate Law	3 hrs

Restricted Electives (6 hrs)

Select 2:

REE 4103	Real Estate Appraisal and Valuation or	3 hrs
REE 4203	Commercial Real Estate Finance or	3 hrs
REE 4204	Residential Real Estate Finance or	3 hrs
REE 4303	Real Estate Investment Analysis or	3 hrs
REE 4732	Real Estate Development or	3 hrs
REE 3614	Environmental Issues for Real Estate or	3 hrs
REE 4933	Advanced Topics in Real Estate	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

Recreation - Minor

College of Education and Human Performance

Department of Educational and Human Sciences,

Education Building, Room: 209

Patty Lanier, PattyLanier@ucf.edu, 407-823-0623

This minor will assist students who wish to work in recreation areas such as YMCA's, Boys and Girls Clubs, after school programs, sports for children programs, theme park and resort recreation programs. This minor is available for students in the 2007 catalog year and beyond.



Minor Admission Requirements

- 2.5 GPA

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(9 hrs)

PEO 3041	Games Analysis	3 hrs
PET 3765	Coaching Theory	3 hrs
PET 3820	Teaching Sports Skills I	3 hrs

Restricted Electives

(9 hrs)

Select 3:

9 hrs

DAE 3370	Dance and Rhythmics	3 hrs
PET 3771	Strength and Conditioning Concepts	3 hrs
PET 4050C	Motor Development and Learning	3 hrs
PET 4312C	Kinesiology/Biomechanics	3 hrs
SPM 3130	Aquatic Management	3 hrs
PET 4002	Outdoor and Leisure Activities	3 hrs
SPM 3204	Sports and Ethics	3 hrs
SPM 3415	Public Relations in Sport and Exercise Science	3 hrs
PET 3361	Nutrition and Metabolism in Sport and Exercise Science	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No grades below "C" (2.0) will be accepted
- All of these hours must be earned at UCF
- No credit by exam, (TSD, Military credit) may be used
- Independent study credit cannot be used toward the minor
- An overall GPA of 2.5 is required to satisfy the minor.

Religion and Cultural Studies - Minor

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

<http://philosophy.cah.ucf.edu/>

Email: religion@ucf.edu

Dr. Sabatino DiBernardo, sabatino.dibernardo@ucf.edu, 407-823-2273

Religion and Cultural Studies is a minor designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(21 hrs)

Studying Religion and Culture

3 hrs

REL 2000	Introduction to Religious Studies	3 hrs

Traditions

6 hrs

- Must select one in each category

Abrahamic Traditions

3 hrs

REL 3403	Christianity or	3 hrs
REL 3363	Islam or	3 hrs
REL 3320	Moses, Jesus and Muhammad or	3 hrs
REL 3432	Roots of Western Mysticism or	3 hrs
JST 3401	Jewish People in Antiquity	3 hrs

Asian and Indigenous Traditions

3 hrs

REL 3340	Buddhist Thought or	3 hrs
ANT 3245	Native American Religions or	3 hrs
REL 3333	Hinduism	3 hrs

Theories and Methods

6 hrs

- Must select one in each category

Religion

3 hrs

REL 4936	Key Figures in Religion and Cultural Studies or	3 hrs
REL 4496	Key Concepts in Religion and Cultural Studies or	3 hrs
PHI 3700	Philosophy of Religion	3 hrs

Cultural Studies

3 hrs

HUM 4459	American Cultural Studies in Humanities or	3 hrs
HUM 3805	Critical Theory in the Humanities or	3 hrs
HUM 3326	Theories of Sex and Gender in Humanities or	3 hrs
HUM 4823	Queer Theory in the Humanities or	3 hrs
HUM 4826	Postcolonial Theory or	3 hrs
PHI 4804	Critical Theory	3 hrs

Religion in Culture

6 hrs

- Must select two from the following:

REL 3111	Religion and Philosophy Through Film	3 hrs
REL 3115	Religion, Spirituality, and Popular Music	3 hrs
REL 3130	Religion in America	3 hrs
REL 4110	Religion and the Arts	3 hrs
REL 4180	Religion and Medicine	3 hrs
REL 3112	Religion and 20th Century Fantasy Texts	3 hrs
REL 3101	Religion in Popular Culture	3 hrs
ANT 3241	Magic, Ritual, and Belief	3 hrs
JST 3550	Introduction of Modernism into Judaism	3 hrs
POT 4632	Religion and Politics	3 hrs
SYO 4200	Religion in Society	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A 'C' (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

Russian Studies - Minor

College of Arts and Humanities

Department of History, Colbourn Hall, Room: 551

Email: History@ucf.edu

Dr. Vladimir Solonari

Dr. Alla Kourova

Phone: 407-823-6617

Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

Language Classes

6 hrs

RUS 2200	Intermediate Russian Language and Civilization I	3 hrs
RUS 2201	Intermediate Russian Language and Civilization II	3 hrs



Minors

Restricted Electives

History

EUH 4571	History of Russia to 1801	3 hrs
EUH 4574	History of Russia: 1801-1917	3 hrs
EUH 4576	History of Russia in the 20th Century	3 hrs
EUH 4663	History of Communism in Europe	3 hrs

Government/Politics

CPO 3614	Politics of Eastern Europe	3 hrs
CPO 4643	Government and Politics of Russia	3 hrs
PLA 4830	World Legal Systems	3 hrs
POT 4414	Marxist Political Theory	3 hrs

Cultural

LIT 3082	Continental European Fiction Since 1900	3 hrs
LIT 3931	Topics in World Literature	3 hrs
LIT 4233	Postcolonial Theory and Literature	3 hrs
RUT 3505	Russian Culture and Civilization	3 hrs
RUS 3955	Study Abroad	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required for all courses used to satisfy a minor.
- At least 12 hours used in the minor must be earned at UCF.
- Except for the foreign language requirement, no credit by exam may be used.
- Internship, Co-op, or Independent Study cannot be used toward the minor.

Science Education - Minor

College of Education and Human Performance

School of Teaching, Learning, and Leadership, Education Building, Room: 209

<http://education.ucf.edu/science/>

Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(19 hrs)

■ A C- or better is required in these courses		
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
SCE 4360	Science Instructional Analysis	4 hrs
SCE 4361	Programs in Teaching Science	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- Recommended courses include: BSC 2010C, BSC 2011C, CHM 2045C, CHM 2046, PHY 2053C or PSC 1121
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

Secure Computing and Networks - Minor

College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,

Room: 346

<http://www.eecs.ucf.edu>

Dr. Mark Llewellyn, markl@csucf.edu, 407-823-3327

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

(6 hrs)

Required Courses

6 hrs

CIS 3360	Security in Computing	3 hrs
CIS 3362	Cryptography and Information Security	3 hrs

Restricted Electives

(12 hrs)

- Elective Courses: Select any four courses from the following list.

Select 4:

12 hrs

CNT 4403	Network Security and Privacy or	3 hrs
CIS 4361	Secure Operating Systems and Administration or	3 hrs
CIS 4615	Secure Software Development and Assurance or	3 hrs
CNT 4703C	Design and Implementation of Computer Communication Networks or	3 hrs
CNT 4704	Analysis of Computer Communication Networks or	3 hrs
COP 4600	Operating Systems or	3 hrs
EEL 4781	Computer Communication Networks	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor



Social Science Education - Minor

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

<http://education.ucf.edu/ssed/>

Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

■ A C- or better is required in these courses		
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
SSE 4361	Social Science Instructional Analysis	3 hrs
SSE 4936	Programs in Teaching Social Science	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in social science as co-requisites
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

Sociology - Minor

College of Sciences

Department of Sociology,

Howard Phillips Hall, Room: 403

<http://sociology.ucf.edu/>

Email: sociology@ucf.edu

Dr. J. Jasinski, Jana.Jasinski@ucf.edu

Phone: 407-823-3744

Minor Admission Requirements

- The minor is not open to Sociology majors.

Minor Requirements

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.

- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

- No more than 3 hours of Independent Study credit can be used toward the minor.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses	(3 hrs)
SYG 2000 Introduction to Sociology	3 hrs

Restricted Electives	(15 hrs)

Restricted Electives	3 hrs

■ 2000-4000 level Sociology courses	

Restricted Upper Division Electives	12 hrs

- 3000-4000 level Sociology courses

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Co-op or internship credit cannot be used toward the minor.

Spanish - Minor

College of Arts and Humanities

Department of Modern Languages and Literatures,

Colbourn Hall, Room: 523

<http://ml.cah.ucf.edu/>

Email: llfacult@ucf.edu

Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

- None

Restricted Electives (18 hrs)

- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

- Approval of a departmental advisor is required prior to registration.

- Select six upper division courses in Spanish, including the following courses:

SPN 3300	Advanced Spanish Grammar and Composition	3 hrs
SPN 3760	Advanced Spanish Oral Communication	3 hrs
SPN 3420	Spanish Composition	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.

- At least 15 hours used in the minor must be earned at UCF within the department.

- No credit by exam (TSD, Military credit) may be used.

- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Minors

Sport Business Management (SPB): Business Majors - Minor

College of Business Administration
DeVos Sport Business Management,
Business Administration II, Room: 205

<http://web.bus.ucf.edu/sportbusiness/?page=1689>

Dr. Scott Bukstein, Program Coordinator for SPB Minor, scott.bukstein@ucf.edu, 407-823-1513

Open to Business majors only. There are different curriculum and course requirements for Non-Business majors. Minor will only be awarded at the time of business degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements

- Completion of Common Program Prerequisites and Admission to a major within the College of Business Administration

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (12 hrs)

SPB 3003	Introduction to Sport Business Management	3 hrs
SPB 3603	Diversity and Social Issues in Sport Business Management	3 hrs
SPB 3823	The Role of Business Entrepreneurship in Sports/Entertainment	3 hrs
MAR 4711	Sport Marketing	3 hrs

Restricted Electives (6 hrs)

SPB 4304	Sports Event and Facility Management	3 hrs
SPB 4804	Sport Business and Media	3 hrs
GEB 4824	Business Law in Sport & Entertainment	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor, except MAR 4711 which has MAR 3023 as a prerequisite.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must earn a grade of a "C" (2.0) or better, or an "S" grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.

Sport Business Management (SPB): Non-Business Majors - Minor

College of Business Administration
DeVos Sport Business Management,
Business Administration II, Room: 205

<http://web.bus.ucf.edu/sportbusiness/?page=1689>

Dr. Scott Bukstein, Program Coordinator for SPB Minor, scott.bukstein@ucf.edu, 407-823-1513

Open to Non-Business Majors only. There are different curriculum and course requirements for Business majors. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (19 hrs)

Required Introductory Courses 10 hrs

SPB 3003	Introduction to Sport Business Management	3 hrs
FIN 2100	Personal Finance and Investments	3 hrs
MAR 3023	Marketing	4 hrs

Required Courses 9 hrs

SPB 3603	Diversity and Social Issues in Sport Business Management	3 hrs
SPB 3823	The Role of Business Entrepreneurship in Sports/Entertainment	3 hrs
MAR 4711	Sport Marketing	3 hrs

Restricted Electives (6 hrs)

SPB 4304	Sports Event and Facility Management	3 hrs
SPB 4804	Sport Business and Media	3 hrs
GEB 4824	Business Law in Sport & Entertainment	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 25

Other Requirements

- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor, except MAR 4711 which has MAR 3023 as a prerequisite. However, students may (but are not required to) take FIN 2100 and MAR 3023 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must earn a grade of "C" (2.0) or better, or an "S" grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.



Statistics - Minor

College of Sciences

Department of Statistics,

Technology Commons II, Room: 212

<http://statistics.cos.ucf.edu/>

Email: statistics@ucf.edu

Dr. David Nickerson, david.nickerson@ucf.edu

Phone: 407-823-2289

Minor Admission Requirements

- The minor is not open to Statistics majors.

Minor Requirements

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses		(9 hrs)
STA 4163	Statistical Methods II	3 hrs
STA 4164	Statistical Methods III	3 hrs

Select 1:		3 hrs
STA 2023	Statistical Methods I or	3 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs

Restricted Electives (9 hrs)

- Select from upper division STA prefix courses taught within the Statistics Department.
- The following course CAN NOT be used as a restricted elective:
STA 3032 Probability and Statistics for Engineers 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Technical Education and Industry Training - Minor

College of Education and Human Performance

Department of Educational and Human Sciences,

Education Complex, Room: ED 123 N

<http://education.ucf.edu/teched/>

Email: jwhitema@mail.ucf.edu

Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu,
407-325-6293

The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not intended for students admitted to a degree program in the College of Education and Human Performance and does not lead to teacher certification or admission to the College of Education and Human Performance. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements

- Must be Junior standing

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

ADE 4382	Teaching Adult Learners in Technical Programs	3 hrs
ECT 4384	Advanced Teaching Techniques for Career & Education	3 hrs
ECT 3062	Professional Roles of the Career & Technical Teacher	3 hrs
ECT 3367	Evaluation of Career & Technical Education Instruction	3 hrs
ECT 4184	Curriculum Development Techniques for Industry Training	3 hrs
ECT 4004	Principles and Practices of Technical Education	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum of 4 courses of the 6 required must be completed at UCF within the program of courses listed above.
- A grade of "C" (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education and Human Performance

Technological Entrepreneurship - Minor

College of Business Administration

Department of Management,

Business Administration I, Room: 309

<http://www.cei.ucf.edu>

Cameron Ford, cford@ucf.edu

Phone: 407-823-5569

The Technological Entrepreneurship Minor offers students an opportunity to blend technical expertise with broad entrepreneurial thinking skills. This combination prepares students to create technology and business model innovations that enrich society and create wealth. This minor prepares students in engineering, science, and other technology disciplines to create, enhance and manage technology ventures, including projects developed within corporate settings.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (12 hrs)

GEB 4110	Business Plan Preparation	3 hrs
GEB 4111	New Venture Finance	3 hrs
GEB 4152	Tech Innovation & Entrepreneurship	3 hrs

Select 1

MAN 4802	New Venture and Small Business Management or	3 hrs
EGN 4641C	Engineering Entrepreneurship	3 hrs



Minors

Restricted Electives (6 hrs)

Innovation Design or Research Sequence 6 hrs

■ Any 6 credit hour sequence approved by the program coordinator in conjunction with faculty in a partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. The following examples of 6 hour course combinations for restricted electives are provided for illustrative purposes. Any 6 hour discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in conjunction with faculty in a partner discipline would satisfy this 6 hour elective requirement. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (ENG 4641C), Information Management and Entrepreneurship (DIG 3563), internships in small or technology-based companies, lecture series, or field of research courses that specifically address entrepreneurship or innovation.

BSEE, BSCPE:	6 hrs
EEL 4914 Senior Design I and	3 hrs
EEL 4915L Senior Design II	3 hrs

BSME:	6 hrs
EML 4501C Engineering Design I and	3 hrs
EML 4502C Engineering Design II	3 hrs

BSAE:	6 hrs
EAS 4700C Aerospace Design I and	3 hrs
EAS 4710C Aerospace Design II	3 hrs

Digital Media:	6 hrs
DIG 4713 Game Design and	3 hrs
DIG 4715C Game Production	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.25 is required for acceptance into this minor degree program.
- A cumulative GPA of 2.0 is required to successfully complete the minor.
- Students must have a grade of "C" (2.0) or better in all courses in the minor.
- At least 12 credit hours in the minor must be from UCF.

Theatre - Minor

College of Arts and Humanities

Department of Theatre,

Performing Arts Center, Room: T210A

<http://theatre.cah.ucf.edu/>

Email: theatre@ucf.edu

407-823-2862

Minor Admission Requirements

- Email the following application materials to theatre@ucf.edu:
 - A statement of why you want to become a Theatre Minor
 - A course history list (including grades) of theatre courses completed at UCF or any other university
 - A completed UCF Theatre Department Student Information Form (found on our website)

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (12 hrs)

THE 2000	Theatre Survey	3 hrs
THE 3006	Greece to Grease: Development of Theatre	3 hrs
TPP 2101	Fundamentals of Acting	3 hrs
TPA 2201	Technical Theatre Production	2 hrs
TPA 2290L	Theatre Participation-Production I	1 hr

Restricted Electives (6 hrs)

■ Any DAA, DAN, THE, TPA, or TPP course taught by the Theatre Department and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved by the Theatre Department Undergraduate Coordinator.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used toward the minor must be earned from the UCF Theatre Department. Transfer credits are allowed, but student must still complete 12 credits from UCF Theatre Department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students must consult departmental handbooks every semester.
- Students are encouraged to consult the theatre minor advisor with questions regarding course selection and electives.

Urban and Regional Planning - Minor

College of Health and Public Affairs

School of Public Administration,

Health & Public Affairs II, Room: 238

Email: pa/ba/bs@ucf.edu

Dr. Michael Abels

Phone: 407-823-2604

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (21 hrs)

PAD 3330	Urban and Regional Planning	3 hrs
PAD 4712	Information Systems for Public Managers and Planners	3 hrs
PAD 4331	Land Use and Planning	3 hrs
PAD 4334	Urban Design	3 hrs
PAD 4253	Community & Economic Development	3 hrs
PAD 4351	Issues in Environmental Program Management	3 hrs
PAD 4803	Issues in Urban Administration	3 hrs



Restricted Electives

Suggested Courses

■ Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field.

PAD 4822	Intergovernmental Administration	3 hrs
PAD 4390	Hazard Mitigation and Preparedness	3 hrs
PAD 4392	Emergency Management and Homeland Security	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
- At least 15 hours used to satisfy the minor must be earned at UCF within the department.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.

Women's Studies - Minor

College of Arts and Humanities

Program in Women's Studies, Colbourn Hall, Room: 118

<http://womensstudies.cah.ucf.edu/>

Email: womenst@ucf.edu

Dr. M.C. Santana, 407-823-6502

Phone: 407-823-6502

The Women's Studies minor provides students with an opportunity to learn about women's historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from various departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women's Studies Program.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses	(12 hrs)
WST 3015	Introduction to Women's Studies

Select 3: 9 hrs

■ Select three courses from the Theories Group:		
WST 3522	First and Second Wave Feminisms or	3 hrs
WST 3561	Third Wave Feminisms or	3 hrs
WST 3621	Theories of Masculinity or	3 hrs
WST 4349	Ecofeminism or	3 hrs
WST 4415	Global and Transnational Feminism or	3 hrs
LIT 4554	Advanced Feminist Theories or	3 hrs
PHM 3123	Feminist Theories	3 hrs

Restricted Electives (6 hrs)

- Students should complete at least one of their two Elective courses from outside their major. Students may count additional courses from the Theories Group as electives toward the minor. Students may use course substitutions, internship, independent study, or Special Topics credit toward the minor only with the approval of the program director. No more than one 2000-level course will count toward the minor.

Women's Studies Disciplinary Approaches

WST 3020	Girls' Studies	3 hrs
WST 3371	Women and Leadership	3 hrs
WST 3460	Women, Race and Struggle	3 hrs
WST 3500	Gender Issues and Community Activism	3 hrs
WST 3522	First and Second Wave Feminisms	3 hrs
WST 3621	Theories of Masculinity	3 hrs
WST 4002	Research in Women and Gender	3 hrs
WST 4021	Girls and Leadership	3 hrs
WST 4349	Ecofeminism	3 hrs
WST 4415	Global and Transnational Feminism	3 hrs

Women's History

AMH 3561	Women in American History I	3 hrs
AMH 3562	Women in American History II	3 hrs
ASH 4304	Women in China	3 hrs
EUH 4610	Women in European Society: From Medieval to Modern	3 hrs

Representations of Women

AML 3283	Contemporary American Women's Fiction	3 hrs
ARH 4871	Women in Art	3 hrs
COM 4014	Gender Issues in Communication	3 hrs
FIL 3880C	Images of Women in Film	3 hrs
LIT 3383	Women in Literature	3 hrs
LIT 3823	Hispanic Women Writers	3 hrs
PHM 3022	Sexuality, Gender & Philosophy	3 hrs

Women's Wellness

CLP 3184	Women's Mental Health	3 hrs
NSP 4425	Women's Health Issues	3 hrs
SOP 3742	Psychology of Women	3 hrs

Select 1: 3 hrs

PEM 2405	Self Defense for Women and Men or	3 hrs
SOP 2772	Sexual Behavior	3 hrs

Women and Social Policy

ANT 3302	Sex, Gender and Culture	3 hrs
CCJ 4670	Women and Crime	3 hrs
CCJ 4681	Domestic Violence and the Justice System	3 hrs
CPO 4710	Women in Comparative Politics	3 hrs
INR 4085	Women, Gender, and Globalization	3 hrs
PUP 3325	Women and Political Behavior	3 hrs
PUP 4323	Women and Public Policy	3 hrs
SYD 4810	Women in Contemporary Society	3 hrs
SYD 4813	Women, Law and Social Change	3 hrs
SYO 4100	Family Trends	3 hrs
SYD 3800	Sex and Gender in Society	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, military credit) may be used.

World Comparative Studies - Minor

Office of Undergraduate Studies

Office of Interdisciplinary Studies,

Classroom I, Room: 302

<http://www.is.ucf.edu>

Email: is@ucf.edu

Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

Minors

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

IDS 3333 World Comparative Studies (3 hrs)

3 hrs

Restricted Electives (15 hrs)

■ Thematic Concentrations: Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student's major and this minor without permission of the Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

Language and Culture

■ Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.

AML 3615	Harlem, Haiti, and Havana	3 hrs
ANT 3610	Language and Culture	3 hrs
ANT 3145	Archaeology of Complex Societies	3 hrs
ANT 3319	Anthropology of Diaspora	3 hrs
ANT 3212	Peoples of the World	3 hrs
ANT 4702	Culture, Power and Development	3 hrs
FSS 3008	Culture and Cuisine	3 hrs
HFT 4866C	Exploring Wines of the World	3 hrs
HFT 3868	History and Culture of Wine	3 hrs
HFT 4894	International Gastronomy	3 hrs
REL 3363	Islam	3 hrs

Economics

ANT 4702	Culture, Power and Development	3 hrs
ECO 3703	International Microeconomics	3 hrs
ECO 4713	International Macroeconomics	3 hrs
ECS 4013	Development Economics	3 hrs
ECP 3302	Economics and the Environment	3 hrs
HFT 3700	Tourism Management	3 hrs
INR 4035	International Political Economy	3 hrs

Biological and Geophysical Environment

IDS 3150	Foundations of Environmental Studies	3 hrs
ECP 3302	Economics and the Environment	3 hrs
SYD 4510	Environment and Society	3 hrs
HFT 4735	Tourism Geography	3 hrs
INR 4351	International Environmental Law	3 hrs
ENV 3001	Introduction to Environmental Engineering	3 hrs
GIS 3043C	GIS for Environmental Studies	3 hrs
PHI 3033	Philosophy, Religion, and the Environment	3 hrs
PHI 3640	Environmental Ethics	3 hrs

Social Structure and Change

ANT 3145	Archaeology of Complex Societies	3 hrs
ANT 3273	Law and Culture	3 hrs
ANT 4702	Culture, Power and Development	3 hrs
PLA 4830	World Legal Systems	3 hrs
SYP 4454	Global Inequality and Society	3 hrs

Media and Communication

FIL 3845	World Cinema Traditions	3 hrs
COM 4461	Intercultural Communication	3 hrs
LIN 4643	Cross Cultural Communication	3 hrs
THE 4212	Global Theatre	3 hrs
FIL 3842	International Cinema	3 hrs

World Independent Specialization

■ Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

Foreign Language Requirements

■ Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" (2.0) or above is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.

World Languages Education - English for Speakers of Other Languages (ESOL) - Minor

College of Education and Human Performance School of Teaching, Learning, and Leadership

Dr. Karen Verkler, Karen.Verkler@ucf.edu, 407-823-5235

World Languages Education - English for Speakers of Other Languages (ESOL) Education minor is intended for College of Education and Human Performance students in undergraduate initial certification programs. The World Languages Education - ESOL minor is intended for Education majors and is well suited for College of Education and Human Performance students majoring in secondary content areas. Students who successfully complete this minor can expect to increase their marketability in educational professions that serve English learners. This minor is designed to promote student success in Pre-K through 12 instructional settings but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Admission Requirements

■ Minimum 2.5 overall GPA. Complete the University General Education Program requirements or the equivalent i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements

■ Students should see an advisor prior to registering for classes. A grade of "C" (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses

- None

Required Courses

		(18 hrs)
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
TSL 4943	L2 Academic Language Instruction	3 hrs
TSL 4942	ESOL Field Experience	3 hrs

Select 1:

TSL 4240	Issues in Second Language Acquisition or	3 hrs
TSL 4945	ESOL Clinical Experience	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- None



World Languages Education - Languages Other Than English (LOTE) - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Complex, Room: 220L

<http://education.ucf.edu/language>

Dr. Karen Verkler, Karen.Verkler@ucf.edu, 407-823-5235

The World Languages Education - Languages Other Than English (LOTE) minor is intended for non-World Languages Education - Languages Other Than English (LOTE) majors. It is well suited for College of Education and Human Performance students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education and Human Performance (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Minor Admission Requirements

■ Minimum 2.5 overall GPA. Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements

■ Students should see an advisor prior to registering for classes. Students must complete 18 hrs of language courses as co-requisites. A grade of "C" (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses

■ None

Required Courses (18 hrs)

EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDG 4467	Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
FLE 4333	Foreign Language Teaching in the Secondary School	3 hrs
FLE 4314	Foreign Language Teaching in Elementary Schools	3 hrs
TSL 4943	L2 Academic Language Instruction	3 hrs

Restricted Electives

■ None

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 18

Other Requirements

■ None

Writing and Rhetoric - Minor

College of Arts and Humanities

Department of Writing and Rhetoric,

Colbourn Hall, Room: 301 B

<http://writingandrhetoric.cah.ucf.edu/>

Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057

Debbie Weaver, Program Advisor, deborah.weaver@ucf.edu, 407-823-0265

The Minor in Writing and Rhetoric will provide students with the in-depth study and practice of writing and rhetoric. The curriculum emphasizes civic, professional, and digital writing.

Minor Admission Requirements

Transfer Notes

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

Minor Requirements

■ Students should consult with a department advisor.

■ Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

Prerequisite Courses

■ None

Required Courses (3 hrs)

■ Students should take core course as early in the program as possible.

ENC 3331 Rhetoric and Civic Engagement 3 hrs

Restricted Electives (15 hrs)

Theories and Histories of Writing, Rhetoric, and Literacy 3 hrs

■ Students must take at least one course from the

following:

ENC 3330	Rhetorical Traditions	3 hrs
ENC 3373	Cultural Rhetorics	3 hrs
ENC 4374	Gendered Rhetorics	3 hrs
ENC 3521	Writing Across Difference	3 hrs
ENC 3417	Literacy and Technology	3 hrs
ENC 3503	Topics in Writing & Literacy Studies	3 hrs
ENC 4XXX	Visual and Material Rhetorics	3 hrs

Applications of Writing and Rhetoric 6 hrs

■ Students must take at least two courses from the following two groups. Students can take one course from each group or two courses from one of the groups.

Civic Rhetoric and Writing

ENC 3311	Essay as Cultural Commentary	3 hrs
ENC 3315	Argumentative Writing	3 hrs
ENC 4353	Writing for Social Change	3 hrs
ENC 3375	Rhetoric in Popular Culture	3 hrs
ENC 4354	Writing with Communities and Nonprofits	3 hrs
ENC 3372	Topics in Civic Rhetoric and Writing	3 hrs
ENC 4378	Writing in Global and Transnational Contexts	3 hrs

Professional and Digital Writing

ENC 3250	Professional Writing	3 hrs
ENC 4212	Professional Editing	3 hrs
ENC 3453	Writing About Health and Medicine	3 hrs
ENC 3455	Writing about Science and Technology	3 hrs
ENC 3454	Topics in Professional and Digital Writing	3 hrs
ENC 3473	Writing in Disciplinary Cultures	3 hrs
ENC 3351	Writing for Publication	3 hrs
ENC 4416	Writing in Digital Environments	3 hrs
ENG 3833	Marketing Your Writing	3 hrs
ENC 3433	Multimedia Writing and Composition	3 hrs
ENC 4275	Theory and Practice of Tutoring Writing	3 hrs

Additional Restricted Electives 6 hrs

■ Students must take at least 6 hours from the following:

■ Any 3000 or 4000 level ENC, LIN, or CRW course not used to satisfy another requirement of the minor.

Minors

- Any 3000 or 4000 level writing intensive course approved by the program director. See program director or advisor for list of approved courses.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Students must complete an electronic writing portfolio approved by the program director or advisor.
- Students must earn a minimum of a 2.5 GPA overall in coursework used to satisfy the minor.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used to satisfy the minor must be taken from the Department of Writing and Rhetoric at UCF.



CERTIFICATES

Aging Studies - Certificate

College of Health and Public Affairs

School of Social Work,

Health & Public Affairs I, Room: 204

Email: socialwk@ucf.edu

Dr. Denise Gammonley

Phone: 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses

- None

Required Courses		(6 hrs)
GEY 3001	Gerontology: An Interdisciplinary Overview	3 hrs

Required Internship: (Select one)		3 hrs
¹ SOW 4510	Field Education	9 hrs
² SOW 4941	Internship	9 hrs
HSA 4941	Internship	3 hrs
PSY 3951	Undergraduate Field Work	3 hrs
SYP 4941	Internship	3 hrs

¹ Full-time social work majors ONLY. Cannot be used with SOW 4941.

² Part-time social work majors over two semesters ONLY. Cannot be used with SOW 4510.

Restricted Electives (9 hrs)

- Students select three additional courses from the following courses: A maximum of two courses must be taken in the College of Health and Public Affairs and at least one course must be taken from other colleges.

College of Health and Public Affairs		6 hrs
HSA 4220	Long Term Patient Management	3 hrs
HSA 3222	Long Term Care and Administration	3 hrs
HSC 4564	Health Care Needs of the Elderly	3 hrs
PLA 4530	Legal Issues of the Elderly	3 hrs
SOW 4645	Social Services for the Elderly	3 hrs
NUR 4286	Gerontologic Nursing	3 hrs
SOW 3740	Social Work Practice with Loss & Life's Transitions	3 hrs

Other Colleges		3 hrs
DEP 3464	Psychology of Aging	3 hrs
SYP 4730	Patterns of Aging in Society	3 hrs
¹ GEY 5007	Women and Healthy Aging	3 hrs
SYP 4732	Minority Aging	3 hrs

¹ Open to undergraduates with senior standing

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum grade of "C" (2.0) required in each course used to satisfy the certificate
- At least 12 hours used in the certificate must be earned at UCF within the department
- No credit by exam (TSD, Military credit) may be used.
- Independent Study cannot be used toward the certificate

Behavioral Forensics - Certificate

College of Sciences

Department of Psychology,

Psychology Building, Room: 301

psychology.cos.ucf.edu

Email: kmottare@ucf.edu

Dr. Karen Mottarella

Phone: 321-433-7982

This certificate must be completed along with a Bachelor's degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

Certificate Admission Requirements

- None

Certificate Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.

Prerequisite Courses (12 hrs)

- Most courses for this certificate will have prerequisites completed as a part of a student's GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Take all of the following: 6 hrs

■ Complete both:		
PSY 2012	General Psychology and	3 hrs
SYG 2000	Introduction to Sociology	3 hrs

Take all of the following: 6 hrs

■ Complete both classes:		
PPE 3003	Personality Theory and Research and	3 hrs
SYP 3510	Sociology of Deviant Behavior	3 hrs

Required Courses (9 hrs)

CLP 4390	Forensic Psychology	3 hrs
SOP 3751	Legal Aspects of Psychology	3 hrs
SYP 3520	Criminology	3 hrs

Restricted Electives (12 hrs)

- Note: It is the student's responsibility to meet all prerequisites for every course selected

Psychology: Select from the following: 3 hrs

CLP 3143	Abnormal Psychology	3 hrs
CLP 3302	Clinical Psychology	3 hrs
CLP 4134	Childhood Psychopathology	3 hrs
PCO 4203C	Interviewing and Counseling	3 hrs

Sociology: Select from the following: 6 hrs

SYP 3511	Sociology of Murder	3 hrs
SYP 3530	Juvenile Delinquency	3 hrs
SYP 3540	Sociology of Law	3 hrs
SYP 3562	Patterns of Domestic Violence in Society	3 hrs



Certificates

SYP 4514	Patterns of Violence in Society	3 hrs
SYP 4521	Crime Victims in Society	3 hrs
SYP 4536	Gangs and Society	3 hrs

Criminal Justice: Select from the following:		3 hrs
CJE 4012	Criminal Profiling in Criminal Justice	3 hrs
CJE 4630	Serial Murder and Criminal Justice	3 hrs
CCJ 3014	Crime in America	3 hrs
CCJ 3024	Criminal Justice System	3 hrs
CCJ 3667	Victims and the CJ System	3 hrs
CCJ 4670	Women and Crime	3 hrs
CCJ 4681	Domestic Violence and the Justice System	3 hrs
CCJ 4690	Sex Offenders and the Criminal Justice System	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 33

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate without prior consent.

Children's Services - Certificate

College of Health and Public Affairs

School of Social Work,

Health & Public Affairs I, Room: 204

Email: socialwk@ucf.edu

BSW Coordinator

Phone: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children's Services Certificate is designed to help students learn about practice considerations in providing services to children and families. Students are prepared to identify a variety of problems such as child abuse, neglect, childhood trauma, and family dynamics essential for identifying service delivery to this population. The certificate includes both classroom academic work and a specialized field internship. This certificate assists in improving services to children and their families. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- Must be a BSW major.

Certificate Requirements

- Placement with the Department of Children and Families- Working with child welfare or placement in an agency that serves children.
- Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement.

Prerequisite Courses

- None

Required Courses		(18 hrs)
SOW 3352	Practice II: Interpersonal Skills in Social Work:	3 hrs
SOW 4654	Children's Services	3 hrs
SOW 4650	Child Abuse: Treatment and Prevention	3 hrs

Select 1:

¹ SOW 4510	Field Education or	9 hrs
² SOW 4941	Internship	9 hrs

¹ (for full-time students ONLY)

² (for part-time students over two semesters)

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- None

Crime Analysis and Crime Mapping - Certificate

College of Health and Public Affairs

Department of Criminal Justice,

Health & Public Affairs I, Room: 311

Email: cjadvice@ucf.edu

R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses

- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses		(9 hrs)
CJE 3662	CJ Information Technology and Data Management	3 hrs
CJE 4663	Crime Mapping and Pattern Analysis	3 hrs
CCJ 4076	Crime Intelligence and Investigative Support Analysis	3 hrs

Restricted Electives

■ Select two of the following:		(6 hrs)
CCJ 3451	Justice System Technology	3 hrs
CJE 3444	Crime Prevention	3 hrs
CJE 4654	Crime and Place	3 hrs
CCJ 3450	The Criminal Justice Manager	3 hrs
CJE 4352	Policy Development in Law Enforcement	3 hrs
CJE 4572	Justice Agency Operations	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

Crime Scene Investigation - Certificate

College of Health and Public Affairs

College of Sciences

Department of Criminal Justice,

Health & Public Affairs I, Room: 311

Department of Anthropology, Phillips Hall, Room: 403

Dr. John Schultz, jschultz@ucf.edu, 407-823-2618

Mary Ann Eastep, cjadvice@ucf.edu, 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor's case once offenders have been apprehended. The certificate program is a means of organizing information required to perform



basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (12 hrs)

- Note: some courses have limited offerings, and should be taken when available.

ANT 4183	Archaeological Sciences	3 hrs
ANT 4521	Forensic Anthropology	3 hrs
CJE 4012	Criminal Profiling in Criminal Justice	3 hrs
CJE 4610	Criminal Investigation	3 hrs

Restricted Electives (3 hrs)

- Select from the following courses:
- | | | |
|----------|------------------------------------|-------|
| ANT 3115 | Archaeological Method and Theory | 3 hrs |
| CCJ 4195 | Interviews & Interrogations in CJ | 3 hrs |
| CHS 3501 | Introduction to Forensic Science | 3 hrs |
| CJE 4630 | Serial Murder and Criminal Justice | 3 hrs |
| SYP 3511 | Sociology of Murder | 3 hrs |

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- Course substitutions must be approved by both departments in advance.

Criminal Profiling - Certificate

College of Health and Public Affairs

Department of Criminal Justice,

Health & Public Affairs I, Room: 311

Mary Ann Eastep, cjadvice@ucf.edu, 407-823-2603

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today's law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses

- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (12 hrs)

CLP 3143	Abnormal Psychology	3 hrs
CJE 4630	Serial Murder and Criminal Justice	3 hrs

CCJ 4690	Sex Offenders and the Criminal Justice System	3 hrs
CJE 4012	Criminal Profiling in Criminal Justice	3 hrs

Restricted Electives

(3 hrs)

- Select one of the following:
- | | | |
|----------|-----------------------------------|-------|
| DSC 4012 | Terrorism | 3 hrs |
| CJE 4610 | Criminal Investigation | 3 hrs |
| CCJ 4195 | Interviews & Interrogations in CJ | 3 hrs |

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Cultural Tourism - Certificate

Office of Undergraduate Studies

Office of Interdisciplinary Studies,

Classroom Building I, Room: 302

<http://www.is.ucf.edu>

Email: is@ucf.edu

Phone: 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (12 hrs)

HFT 3540	Guest Services Management I	3 hrs
HFT 3700	Tourism Management	3 hrs
HFT 4735	Tourism Geography	3 hrs
ANT 4303	Anthropology of Tourism	3 hrs

Restricted Electives

(6 hrs)

- Choose two classes from one of the following areas:

African American Heritage area (choose two classes)

AFA 3104	The Black Intellectual Experience	3 hrs
AFA 4105	Documenting Africana Heritage and Life	3 hrs
SYD 3700	Race and Ethnicity	3 hrs

Anthropology area (choose two classes)

ANT 2140	Archaeology and the Rise of Human Culture	3 hrs
ANT 3212	Peoples of the World	3 hrs
ANT 2410	Cultural Anthropology	3 hrs
ANT 3115	Archaeological Method and Theory	3 hrs
ANT 3701	Applied Anthropology	3 hrs

Environmental Tourism area (choose two classes)

BOT 3152C	Local Flora	3 hrs
PCB 3442	Aquatic Ecology	3 hrs
INR 4351	International Environmental Law	3 hrs



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PUP 3203	Environmental Politics	3 hrs
PUP 3204	Sustainability	3 hrs
SYD 4510	Environment and Society	3 hrs

Latin American area (choose two classes)

ANT 3163	Mesoamerican Archaeology	3 hrs
ANT 3168	Maya Archaeology	3 hrs
ANT 4332	People and Cultures of Latin America	3 hrs
ANT 4340	Caribbean Cultures	3 hrs
ARH 4653	Meso American Art	3 hrs
CPO 4303	Comparative Latin American Politics	3 hrs
LAH 3400	History of Mexico and Central America	3 hrs
LAH 3470	History of the Caribbean	3 hrs
LAH 3130	Latin American History I	3 hrs
LAH 3200	Modern Latin America	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director

Diplomacy - Certificate

College of Sciences

College of Arts and Humanities

Department of Political Science,

Howard Phillips Hall, Room: 302

Department of History, Colbourn Hall, Room: 551

<http://politicalscience.cos.ucf.edu/>

Dr. R. Handberg, Roger.Handberg@ucf.edu, 407-823-2608

Dr. J. Sacher, John.Sacher@ucf.edu, 407-823-5501

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (9 hrs)

INR 4030	Diplomacy	3 hrs
AMH 4513	United States as a Great Power: 1945-Present	3 hrs
INR 4102	American Foreign Policy	3 hrs

Restricted Electives (6 hrs)

Select two courses from the following list: 6 hrs

INR 4114	American Security Policy or	3 hrs
INR 4054	Global Politics of Energy or	3 hrs
INR 4074	Immigration Policy or	3 hrs
INR 4075	Human Rights Policy or	3 hrs
INR 4076	Global Drug Policy or	3 hrs
INR 4714	Politics of International Trade Policy or	3 hrs
INR 4104	Topics and Cases in American Foreign Policy or	3 hrs

INR 4351	International Environmental Law or	3 hrs
INR 4401	International Law or	3 hrs
INR 4502	International Organizations or	3 hrs
AMH 4512	US Diplomatic History: 1914-1945 or	3 hrs
EUH 4620	European Great Powers: 1815-1914	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director's discretion.

Educational Studies - Certificate

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 220B

<http://education.ucf.edu/edcert>

Email: wwise@ucf.edu

Dr. W. Scott Wise, ED 220B

Phone: 407-823-1502

The Educational Studies certificate is intended to provide for students outside the College of Education and Human Performance a limited but substantial experience in the fields of professional education. Students who successfully complete this certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education and Human Performance. An Educational Studies minor that includes a sixth course is also an option. This certificate is available for students in the 2007 catalog year and beyond.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (12 hrs)

EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs

Restricted Electives (3 hrs)

Choose one:

MAE 4634	Programs in Teaching of Mathematics	3 hrs
SSE 4936	Programs in Teaching Social Science	3 hrs
LAE 4464	Survey of Adolescent Literature	3 hrs
LAE 4342	Programs in Teaching Language and Composition	3 hrs
SCE 4361	Programs in Teaching Science	3 hrs
PET 4710	Methods for Physical Activity for Children and Adolescents	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.



- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.

Finance: Banking - Certificate

College of Business Administration

Department of Finance,

Business Administration I, Room: 409

<http://web.bus.ucf.edu/academics/finance/>

Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator and a banking faculty member.

Prerequisite Courses

- None

Required Courses		(12 hrs)
FIN 4324	Commercial Bank Management	3 hrs
ACG 3131	Intermediate Financial Accounting I	3 hrs
ACG 3141	Intermediate Financial Accounting II	3 hrs

Select 1:		3 hrs
MAR 3391	Professional Selling or	3 hrs
FIN 4941	Finance Internship	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- None

Finance: Corporate Finance - Certificate

College of Business Administration

Department of Finance,

Business Administration I, Room: 409

<http://web.bus.ucf.edu/academics/finance/>

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.

- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses

- None

Required Courses		(12 hrs)
ACG 3131	Intermediate Financial Accounting I	3 hrs
FIN 3414	Intermediate Corporate Finance	3 hrs
FIN 4941	Finance Internship	3 hrs
ACG 3141	Intermediate Financial Accounting II	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- None

Finance: Investments - Certificate

College of Business Administration

Department of Finance,

Business Administration I, Room: 409

<http://www.bus.ucf.edu/finance/>

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses

- None

Required Courses		(12 hrs)
FIN 3504	Investment Analysis	3 hrs
FIN 4514	Portfolio Analysis and Management	3 hrs
FIN 4533	Financial Derivatives	3 hrs
FIN 4941	Finance Internship	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- None

Health Communications - Certificate

College of Sciences

Nicholson School of Communication

Email: nassc@ucf.edu

Phone: 407-823-2681

The certificate in health communication has a dual focus: 1) it is designed to provide students in health-related fields training in facilitating health communication processes; 2) it allows communication students to demonstrate that they have conceptual and applied knowledge about the role of communication in health care.

Certificates

Admission Requirements

- None

Certificate Requirements

- Certificates will be awarded only at the time of degree completion.

Prerequisite Courses

- Most courses for this certificate will have prerequisites completed as a part of a student's GEP requirement, as general electives, or a student can enroll into courses with consent of instructor. Exceptions are identified below.

Required Courses (12 hrs)

COM 3022	Health Communication	3 hrs
COM 4550	Health Communication Campaigns	3 hrs
MMC 2004	Mass Media	3 hrs
PUR 4000	Public Relations	3 hrs

Restricted Electives (3 hrs)

Choose from the following:

ANT 4408	Culture, Disease, and Healing	3 hrs
ANT 4462	Medical Anthropology	3 hrs
COM 3120	Organizational Communication	3 hrs
COM 3330	Computer Mediated Communication	3 hrs
HSA 3012	Issues & Trends in Public Health	3 hrs
HSA 3111	U.S. Health Care Systems	3 hrs
HSC 4201	Community Health	3 hrs
RTV 4403	Electronic Media, Technology, and Society	3 hrs
SPC 4540	Attitudes and Communication	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- No more than three credit hours from the Health Communication Certificate may be used to satisfy internal restricted electives of the Human Communication (formerly Interpersonal-Organizational) major.
- Communication majors must take their elective outside of the school of communication.

Judaic Studies - Certificate

College of Arts and Humanities

Program in Judaic Studies,

Colbourn Hall, Room: 415 E-J

<http://www.judaicstudies.cah.ucf.edu>

Email: judaicst@ucf.edu

Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies, Women's Studies, Religious Studies, and Middle Eastern Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses. For minor requirements, refer to the section on Judaic Studies Minor.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

Language		
HBR 1120	Elementary Modern Hebrew Language and Culture I	4 hrs
HBR 1121	Elementary Modern Hebrew Language and Culture II	4 hrs
HBR 2200	Intermediate Modern Hebrew I	3 hrs
HBR 2201	Intermediate Modern Hebrew II	3 hrs

HBR 3250	Biblical Hebrew	3 hrs
HBR 3410	Conversational Israeli Hebrew	3 hrs

Jewish History

JST 3401	Jewish People in Antiquity	3 hrs
JST 3402	Wanderings: The Jewish People in Dispersion	3 hrs
JST 3481	20th Century Jewish History and Thought	3 hrs
JST 3701	History of the Holocaust	3 hrs
JST 3415	American Jewish History	3 hrs
JST 3417	Sephardi Jews: History, Culture, and Folklore	3 hrs

Bible

JST 3120	Hebrew Scriptures	3 hrs
JST 3125	The Book of Job	3 hrs
JST 3126	Romantic Love in the Bible	3 hrs
JST 3144	Dead Sea Scrolls	3 hrs
JST 3190	The Biblical Prophets	3 hrs
JST 3424	Biblical Archaeology	3 hrs

Literature

JST 3100	The Hebrew Creative Mind	3 hrs
JST 3312	Identity and Genre	3 hrs
JST 3751	Literature of the Holocaust	3 hrs
JST 3803	The Israeli Experience in Short Stories	3 hrs

Jewish Civilization

JST 3005	Tenets of Judaism	3 hrs
JST 3121	Classic Texts of Judaism	3 hrs
JST 3210	Kabbalah: Jewish Mysticism	3 hrs
JST 3620	Contemporary Jewish Ethics and Morality	3 hrs

Culture

JST 3450	Modern Jewish Experience	3 hrs
JST 3810	The Jewish National Movement and Roots of Zionism	3 hrs
JST 3820	Modern Israeli Culture	3 hrs
JST 3551	The Holy and the Profane: The Introduction of Secularism into Modern Judaism	3 hrs
JST 3550	Introduction of Modernism into Judaism	3 hrs
JST 3821	Building a Nation - the Challenges to and Accomplishments of the State of Israel	3 hrs

Other courses, including special topics, with the approval of the Director

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Hebrew qualifies for Foreign Language requirement.

Language Development and Disorders - Certificate

College of Health and Public Affairs

Department of Communication Sciences and Disorders, Health & Public Affairs II, Room: 101

<http://www.cohpa.ucf.edu/comdis>

Email: csdundergraduate@ucf.edu

TBD

Phone: 407-823-4798

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses,

social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring or minoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (11 hrs)

LIN 3716	Language Development	3 hrs
SPA 4400	Language Disorders Across the Life Span	3 hrs
LIN 3716L	Language Development Lab	2 hrs
LIN 3713	Language Science	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 11

Other Requirements

- A minimum grade of "C-" (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses to complete the certificate.
- At least 10 hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) internship or independent study may be used toward the certificate.

Leadership Studies - Certificate

Office of Undergraduate Studies

Office of Interdisciplinary Studies,

Classroom Building I, Room: 302

<http://www.is.ucf.edu>

Email: is@ucf.edu

Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (13 hrs)

Foundation Requirement 4 hrs		
LDR 2001	Foundations of Leadership	2 hrs
LDR 2002	Intermediate Foundations of Leadership	2 hrs

Restricted Requirements 9 hrs

- Choose one course from three of the areas below:

Communication 3 hrs		
COM 3011C	Communication and Human Relations or	3 hrs
COM 3120	Organizational Communication or	3 hrs
COM 4461	Intercultural Communication or	3 hrs
COM 4462	Conflict Management	3 hrs

Collaboration 3 hrs		
INP 3004	Industrial/Organizational Psychology or	3 hrs
INP 4313	Organizational Psychology or	3 hrs
MAN 4240	Organizations: Theory and Behavior or	3 hrs
MAN 3025	Management of Organizations or	4 hrs
SPC 4426	Group Dynamics	3 hrs

Social Relations and Culture 3 hrs		
ANT 3541	Biobehavioral Anthropology or	3 hrs
CLP 3143	Abnormal Psychology or	3 hrs
COM 4461	Intercultural Communication or	3 hrs
EXP 3304C	Motivation or	3 hrs
SOP 3004C	Social Psychology or	3 hrs
SOP 3723	Cross Cultural Psychology or	3 hrs
SOP 3742	Psychology of Women or	3 hrs
SOP 3784	Psychology of Diversity	3 hrs

Politics 3 hrs		
PAD 3003	Public Administration in American Society or	3 hrs
PAD 4104	Administrative Theory or	3 hrs
PAD 4144	Nonprofit Organizations or	3 hrs
PAF 4754	Interdisciplinary Leadership in Public Affairs or	3 hrs
POS 3413	The American Presidency or	3 hrs
POS 4206	Political Psychology or	3 hrs
PUP 3325	Women and Political Behavior	3 hrs

Ethics 3 hrs		
BUL 3130	Legal and Ethical Environment of Business or	4 hrs
EDF 3601	Professional Ethics in Education or	3 hrs
PAD 3040	Ethics and Values in Public Administration or	3 hrs
PHI 2108	Critical Thinking or	3 hrs
PHI 3640	Environmental Ethics	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 13

Other Requirements

- Earn a grade of "C" (2.0) or better in each course used to satisfy the certificate.
- At least 12 credit hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

Marketing: e-Marketing - Certificate

College of Business Administration

Department of Marketing,

Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements

- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)		
¹ MAR 4941	Marketing Internship	3 hrs
MAR 3721	Digital Media Marketing	3 hrs

¹ Internship in "e"-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Certificates

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 6

Other Requirements

- None

Marketing: Entertainment Marketing - Certificate

College of Business Administration

Department of Marketing,

Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements

- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major.

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

MAR 4715	Entertainment Marketing	3 hrs
¹ MAR 4941	Marketing Internship	3 hrs

¹ Internship in entertainment-related position. Certificate attainment is subject to the availability of the internship opportunities in the area of interest.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 6

Other Requirements

- None

Marketing: Healthcare Marketing - Certificate

College of Business Administration

Department of Marketing,

Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements

- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major.

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

MAR 4712	Healthcare Marketing	3 hrs
¹ MAR 4941	Marketing Internship	3 hrs

¹ Internship in healthcare-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 6

Other Requirements

- None

Marketing: Retailing Management - Certificate

College of Business Administration

Department of Marketing,

Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements

- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

MAR 4231	Retailing Management	3 hrs
¹ MAR 4941	Marketing Internship	3 hrs

¹ Internship in retail-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 6

Other Requirements

- None

Marketing: Selling and Sales Management - Certificate

College of Business Administration

Department of Marketing,

Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements

- Restricted to Marketing Majors
- These six hours count as elective marketing hours required in the major.

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses

MAR 3403	Sales Force Management	3 hrs
¹ MAR 4941	Marketing Internship	3 hrs

¹ Internship in sales-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 6

Other Requirements

- None

Marketing: Services Marketing - Certificate

College of Business Administration

Department of Marketing,

Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.



Certificate Admission Requirements

- Restricted to Marketing majors
- These six hours count as elective marketing hours required in the major.

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

MAR 4841	Services Marketing	3 hrs
¹ MAR 4941	Marketing Internship	3 hrs

¹ Internship in services-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 6

Other Requirements

- None

Marketing: Sport Marketing Management - Certificate

College of Business Administration

Department of Marketing,

Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements

- Restricted to Marketing majors
- These six hours count as elective marketing hours required for the major.

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

MAR 4711	Sport Marketing	3 hrs
¹ MAR 4941	Marketing Internship	3 hrs

¹ Internship in sports-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 6

Other Requirements

- None

Native American Studies - Certificate

College of Sciences

Department of Anthropology

<http://anthropology.cos.ucf.edu>

Email: anthro@ucf.edu

Dr. Rosalyn Howard, 407-823-2227

The Departments of Anthropology, History, English, Political Science, and Latin American Studies offer courses that support this Certificate. Significantly, this Certificate will provide an alternative to students majoring in Anthropology who wish to focus on Native American Studies but who are precluded from taking the Minor in the North American Indian Studies Program since it is administered in the Department of Anthropology. This certificate program will

expand the study of Native peoples who reside in other regions of the Americas currently not covered by the North American Indian Studies program. This Certificate is appropriate for all UCF undergraduates.

Certificates will be awarded only at the time of degree completion.

Admission Requirements

- None

Certificate Requirements

- A minimum overall 2.0 GPA is required in courses used to satisfy the requirement.
- At least 12 hours used toward the certificate must be earned at UCF within the participating departments.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the Anthropology Major course requirements.

Prerequisite Courses

- Most courses for this certificate will have prerequisites completed as a part of a student's GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

ANT 2000	General Anthropology	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs

Required Courses (9 hrs)

ANT 3245	Native American Religions	3 hrs
ANT 3312	Ethnology of North American Indians	3 hrs
AMH 3580	North American Indians	3 hrs

Restricted Electives (6 hrs)

Choose from the following:

AMH 3441	History of the Frontier: Eastern America	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs
AML 3643	Contemporary Native American Prose and Poetry	3 hrs
ANT 3152	Indians of the Southwest	3 hrs
ANT 3158	Florida Archaeology	3 hrs
ANT 3160	Americas Before Columbus	3 hrs
ANT 3163	Mesoamerican Archaeology	3 hrs
ANT 3164	Ancient Incas	3 hrs
ANT 3165	Archaeology of South America	3 hrs
ANT 3168	Maya Archaeology	3 hrs
ANT 3311	Indians of the Southeastern United States	3 hrs
ANT 3398	Black/Seminole Relations	3 hrs
ANT 4332	People and Cultures of Latin America	3 hrs
LAS 3101	Latin American Popular Culture	3 hrs
CPO 4794	Indigenous Politics and the Environment	3 hrs
POS 3076	American Indian Politics	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Course substitutions must be approved in advance by the Director of the Native American Studies Program.

Nonprofit Management - Certificate

College of Health and Public Affairs

School of Public Administration,

Health & Public Affairs II, Room: 238

<http://www.cohpa.ucf.edu/pubadm>

Email: pa/ba/bs@ucf.edu

Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career. Certificates will be awarded only at the time of degree completion.

Certificates

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

PAD 4144	Nonprofit Organizations	3 hrs
PAD 4148	Volunteer Management	3 hrs
PAD 4147	Resource Development in the Nonprofit Sector	3 hrs
PAD 4325	Program Evaluation for Public and Nonprofit Organizations	3 hrs
PAD 4153	Planning and Improvement for Public Organizations	3 hrs

Restricted Electives (3 hrs)

- See advisor for approved courses

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum grade of "C" (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration

Public and Professional Writing - Certificate

College of Arts and Humanities

Department of Writing and Rhetoric,

Colbourn Hall, Room: 301 B

<http://writingandrhetoric.cah.ucf.edu/>

Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057
Debbie Weaver, Program Advisor, deborah.weaver@ucf.edu, 407-823-0265

The Certificate in Public and Professional Writing will provide students with additional training and experience in workplace and public (i.e., civic, community-based) writing.

Certificate Admission Requirements

Transfer Notes

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all appropriate documentation.

Certificate Requirements

- Students should consult with a department advisor.
- Students cannot earn both the certificate in Public and Professional Writing and the minor in Writing and Rhetoric.

Prerequisite Courses

- None

Required Courses (6 hrs)

ENC 3331	Rhetoric and Civic Engagement	3 hrs

Select 1: (3 hrs)

ENC 3250	Professional Writing or	3 hrs
ENC 3241	Writing for the Technical Professional or	3 hrs
ENC 3211	Theory and Practice of Technical Writing	3 hrs

Restricted Electives (6 hrs)

Applications of Public and Professional Writing (3 hrs)

- Students must take one of the following courses:

ENC 3311	Essay as Cultural Commentary	3 hrs
ENC 3315	Argumentative Writing	3 hrs
ENC 3351	Writing for Publication	3 hrs
ENC 4354	Writing with Communities and Nonprofits	3 hrs
ENC 4416	Writing in Digital Environments	3 hrs
ENC 4212	Professional Editing	3 hrs
ENC 3453	Writing About Health and Medicine	3 hrs
ENC 3455	Writing about Science and Technology	3 hrs
ENC 4353	Writing for Social Change	3 hrs
ENG 3833	Marketing Your Writing	3 hrs

ENC 3433	Multimedia Writing and Composition	3 hrs
ENC 4378	Writing in Global and Transnational Contexts	3 hrs

Additional Restricted Elective (3 hrs)

- Students must take one of the following courses:
- Any 3000 or 4000 level ENC, LIN, or CRW course not used to satisfy another requirement of the certificate.
- Any 3000 or 4000 level writing intensive course approved by the program director. See program director or advisor for list of approved courses.

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- Students must complete an electronic writing portfolio approved by the program director or advisor.
- Students must earn a minimum of a 2.5 GPA overall in coursework used to satisfy the certificate.
- A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
- At least 6 hours used to satisfy the certificate must be taken from the Department of Writing and Rhetoric at UCF.

Real Estate: Mortgage Brokerage - Certificate

College of Business Administration

Dr. P. Phillips School of Real Estate,

Business Administration II, Room: 101

<http://web.bus.ucf.edu/realestate/>

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida mortgage broker's license.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

REE 3043	Fundamentals of Real Estate	3 hrs
REE 3433	Real Estate Law	3 hrs
REE 4204	Residential Real Estate Finance	3 hrs
REE 4203	Commercial Real Estate Finance	3 hrs

Select 1: (3 hrs)

MAR 3391	Professional Selling or	3 hrs
¹ REE 4941	Internship	3 hrs

¹ Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- None



Real Estate: Real Estate Appraisal - Certificate

College of Business Administration

Dr. P. Phillips School of Real Estate,

Business Administration II, Room: 101

<http://web.bus.ucf.edu/realestate/>

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate appraiser's license.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

REE 3043	Fundamentals of Real Estate	3 hrs
REE 3433	Real Estate Law	3 hrs
REE 4103	Real Estate Appraisal and Valuation	3 hrs
MAR 3391	Professional Selling	3 hrs
¹ REE 4941	Internship	3 hrs

¹ Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- None

Real Estate: Real Estate Brokerage - Certificate

College of Business Administration

Dr. P. Phillips School of Real Estate,

Business Administration II, Room: 101

<http://web.bus.ucf.edu/realestate/>

*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

REE 3043	Fundamentals of Real Estate	3 hrs
REE 3433	Real Estate Law	3 hrs
REE 4303	Real Estate Investment Analysis	3 hrs
MAR 3391	Professional Selling	3 hrs
¹ REE 4941	Internship	3 hrs

¹ Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- None

Security Management - Certificate

College of Health and Public Affairs

Department of Criminal Justice,

Health & Public Affairs I, Room: 311

Email: cjadvice@ucf.edu

Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses

- There are no certificate prerequisites; however individual courses may have prerequisites.

Required Courses (12 hrs)

SCC 3311	Security Administration	3 hrs
CJT 3803	Security Management	3 hrs
CJT 4843	Risk Management in Criminal Justice/ Private Security	3 hrs
CCJ 4644	White Collar Crime	3 hrs

Restricted Electives

- Select one of the following: (3 hrs)

CJE 3444	Crime Prevention	3 hrs
CJT 3821	Practical Security Applications	3 hrs
SCC 3316	Special Security Problems	3 hrs
DSC 4012	Terrorism	3 hrs
DSC 4013	Homeland Security and Criminal Justice	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Certificates

Service-Learning - Certificate

Office of Undergraduate Studies

Office of Experiential Learning,

Career Services and Experiential Learning, Suite 300

<http://www.explearning.ucf.edu>

A. Zeh, Amy.Zeh@ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this process. This certificate is open to all undergraduate and graduate students in any major.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses

(12 hrs)

Four UCF-approved SL courses

■ Students may choose any four of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an "SL" and can be accessed under "special groups" in the class schedule.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

Substitute Teaching - Certificate

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 220B

<http://education.ucf.edu/subteach>

Email: wwise@ucf.edu

Dr. W. Scott Wise, ED 220B

Phone: 407-823-1502

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. This certificate does not lead to teacher certification or admission to the College of Education and Human Performance. The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students' major programs. This certificate is available for students in the 2006 catalog year and beyond.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses

EDF 2007	Introduction to Substitute Teaching	3 hrs
EDF 2250	Classroom Management for Substitute Teachers	3 hrs
EDG 2311	Teaching Strategies for Substitute Teachers	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 9

Other Requirements

- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education and Human Performance.

Teaching English as a Foreign Language - Certificate

College of Arts and Humanities

Department of Modern Languages and Literatures,

Colbourn Hall, Room: 523

<http://ml.cah.ucf.edu/>

Dr. K. Folse, 407-823-4555

Phone: 407-823-2472

Certificates will be awarded only at time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

(12 hrs)

- None

Prerequisite Courses

- None

Required Courses

(12 hrs)

TSL 3346	English as an International Language	3 hrs
TSL 4240	Issues in Second Language Acquisition	3 hrs
ANT 3610	Language and Culture	3 hrs
TSL 4363	ESL Classroom Experiences	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- All 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director's discretion.



Translation and Interpretation - Certificate

College of Arts and Humanities

Department of Modern Languages and Literatures,

Colbourn Hall, Room: 505

<http://mll.cah.ucf.edu/>

Email: flfacult@ucf.edu

Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

Certificate Admission Requirements

- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (12 hrs)

SPT 3800	Spanish Translation and Interpretation	3 hrs
SPT 3805	Spanish Translation and Interpretation for Mass Communication	3 hrs
SPT 3809	Medical Spanish Translation/Interpretation	3 hrs
SPT 3831	Spanish Legal Translation and Interpretation	3 hrs

Restricted Electives (6 hrs)

SPN 3933	Spanish Across the Curriculum	1 hr
SPN 4941	Internship	1 hr

Any upper division SPN or SPT course with advisor's approval

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF within the Department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate.
- Satisfactory completion of translation and interpretation exit exam.

Victim Advocacy - Certificate

College of Health and Public Affairs

Department of Criminal Justice,

Health & Public Affairs I, Room: 311

Email: cjadvice@ucf.edu

Mary Ann Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice and Legal Studies, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses

- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (9 hrs)

CCJ 3667	Victims and the CJ System	3 hrs
CCJ 4670	Women and Crime	3 hrs
CCJ 4681	Domestic Violence and the Justice System	3 hrs

Restricted Electives (6 hrs)

■ Select two of the following:		
SYP 4521	Crime Victims in Society	3 hrs
NUR 4516	Crisis Intervention	3 hrs
SOW 4754	Forensic Social Work Theory and Practice	3 hrs
CJJ 4564	Juvenile Justice System	3 hrs
CCJ 4690	Sex Offenders and the Criminal Justice System	3 hrs
CCJ 4129	Cultural Diversity in Criminal Justice	3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Women's Studies - Certificate

College of Arts and Humanities

Program in Women's Studies,

Colbourn Hall, Room: 118

<http://womensstudies.cah.ucf.edu/>

Email: womenst@ucf.edu

Dr. M.C. Santana, 407-823-2269

Phone: 407-823-6502

The certificate program in Women's Studies is designed to provide students with a basic, working knowledge of gender roles and women's issues. The certificate program is particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (3 hrs)

WST 3015	Introduction to Women's Studies	3 hrs

Restricted Electives (9 hrs)

- See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

Internship Option: 3 hrs

- Internship required by a student's major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women's issues.

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of "C" or below will not be counted toward the Women's Studies Minor.
- At least 9 hours used in the certificate must be earned at UCF.

ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS

Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E. or M.S.M.E.)

College of Engineering and Computer Science

**Department of Mechanical and Aerospace Engineering,
Engineering, Room: 307**

<http://www.mmae.ucf.edu>

Email: mmaeugrad@ucf.edu

Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778

Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137

Phone: 407-823-2416

Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements

- None

1. UCF General Education Program (GEP) (38 hrs)

- See Aerospace Engineering major in catalog for GEP requirements.

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)

- See Aerospace Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

4. Core Requirements: Advanced Level (51 hrs)

EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3343	Thermodynamics	3 hrs
EMA 3706	Structure and Properties of Aerospace Materials	3 hrs
EGN 3373	Principles of Electrical Engineering	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP
EAS 3101	Fundamentals of Aerodynamics	3 hrs
EAS 3800C	Aerospace Engineering Measurements	3 hrs
EAS 3810C	Design of Aerospace Experiments	3 hrs
EAS 4105	Flight Mechanics	3 hrs
EAS 4134	High-Speed Aerodynamics	3 hrs
EAS 4300	Aerothermodynamics of Propulsion Systems	3 hrs
EML 3034C	Modeling Methods in Mechanical and Aerospace Engineering	3 hrs
EGM 3601	Solid Mechanics	3 hrs
EAS 4200	Analysis & Design of Aerospace Structures	3 hrs
EML 3217	Engineering Mechanics - Dynamics	3 hrs
EML 4225	Introduction to Vibrations and Controls	3 hrs
EML 3701	Fluid Mechanics I	3 hrs
EML 4142	Heat Transfer	3 hrs

5. Restricted Electives (12 hrs)

- Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

- Please Note: The Accelerated B.S. to M.S. Program allows students to complete a maximum of 12 credit hours of Graduate level course work for technical elective credit.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:		3 hrs
EAS 4700C	Aerospace Design I or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

Select 1:		3 hrs
EAS 4710C	Aerospace Design II or	3 hrs
EGN 4413C	Interdisciplinary Design II	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

- 128

Total Combined Hours Required

- 146

Honors In Major

- None

Related Programs

- Mechanical Engineering

Certificates

- None

Related Minors

- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes

- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.

- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.

Accelerated Undergraduate-Graduate Programs

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Shared Courses

(12 hrs)

■ Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link

- <http://www.graduatecatalog.ucf.edu/content/Courses.aspx>

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program (B.A. or B.S. / M.A.)

College of Health and Public Affairs

Department of Communication Sciences and Disorders, Health & Public Affairs II, Room: 101

<http://www.cohpa.ucf.edu/comdis/>

Email: csdundergraduate@ucf.edu

Phone: 407-823-4798

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 16 credit hours of graduate-level courses while completing the bachelor's degree. This enables full-time students to achieve a master's degree in one to two fewer semesters.

Admission Requirements

- Completion of at least 15 hours of undergraduate CSD coursework at UCF.
- 3.6 GPA or better in courses in the major.
- A highly competitive GRE score taken within the past 5 years.
- Completion of an application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a "B" or better for all 16 credit hours of graduate course work will be formally admitted into the master's program in Communication Sciences and Disorders following receipt of the bachelor's degree.

Degree Requirements

- None

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1:

Suggested	STA 2014C	Principles of Statistics or	3 hrs
Suggested	STA 2023	Statistical Methods I	3 hrs

D: Social Foundations

Suggested	PSY 2012	General Psychology	(6 hrs)
			3 hrs

Select 1:

Suggested	ECO 2013	Principles of Macroeconomics	3 hrs
Suggested	ECO 2023	Principles of Microeconomics	3 hrs
Suggested	POS 2041	American National Government	3 hrs

E: Science Foundations

Required PHY, CHM, or PSC course listed in GEP E.1	3 hrs
Any BSC course listed in GEP E.2 or ANT 2511	3 hrs

2. Common Program Prerequisites (CPP)

STA 2014C	Principles of Statistics	GEP
PSY 2012	General Psychology	GEP
Any BSC course or ANT 2511		GEP
PHY, PSC or CHM		GEP

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level

SPA 3471	Communication Disorders in Literature and Media	(50 hrs)
		3 hrs
SPA 3101	Physiological Bases of Speech and Hearing	3 hrs
SPA 3112	Basic Phonetics	3 hrs
SPA 3112L	Basic Phonetics Lab	1 hr
LIN 3716	Language Development	3 hrs
SPA 3011	Speech Science I: Production	3 hrs
SPA 3011L	Speech Production lab	1 hr
SPA 3104	Neural Bases of Communication	3 hrs
SPA 3123	Speech Science II: Perception	3 hrs
SPA 3123L	Speech Perception Lab	1 hr
SPA 4032	Audiology	3 hrs
SPA 4326	Hearing Disorders Across the Lifespan	3 hrs
DEP 2004C	Developmental Psychology	3 hrs
LIN 3716L	Language Development Lab	2 hrs
LIN 3713	Language Science	3 hrs

Select 1:

EAB 3703C	Principles of Behavior Modification or	3 hrs
EEX 4601	Introduction to Behavior Management or	4 hrs
EEC 4604	Classroom Management and Guidance of	3 hrs
	Young Children or	3 hrs
EDF 3303	Learning Environments and Guidance for	3 hrs
	Young Children or	
SPA 3472	Guidance of Young Children with	3 hrs
	Communication Disorders or	
EEX 3450	Young Children With Special Needs	3 hrs

Statistics Requirement

- Students have two options in completing this requirement:

Option 1:

STA 2023	Statistical Methods I and	6 hrs
STA 4163	Statistical Methods II	3 hrs

Option 2:

STA 2014C	Principles of Statistics and	GEP
SPA 6805	Research in Communicative Disorders	3 hrs
or		
STA 2023	Statistical Methods I and	GEP
SPA 6805	Research in Communicative Disorders	3 hrs

5. Restricted Electives

- B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college
- B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.

6. Capstone Requirements

- None (3 hrs)



Accelerated Undergraduate-Graduate Programs

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation

■ Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Electives

■ Select 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ A minimum grade of "B" in all graduate courses.
 ■ A minimum overall GPA of 3.0 in the courses used to satisfy the major.
 ■ A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination.

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA
 ■ 60 semester hours earned after CLEP awarded
 ■ 48 semester hours of upper division credit completed
 ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
 ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
 ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

■ 120

Honors In Major

■ Interested students should contact the undergraduate program coordinator.

Related Programs

■ Health Services Administration
 ■ Physical Therapy
 ■ Psychology
 ■ Social Work
 ■ Exceptional Student Education
 ■ Early Childhood Education
 ■ Physical Therapy

Certificates

■ Language Development and Disorders

Related Minors

■ Exceptional Education
 ■ Early Childhood Education
 ■ Aging Studies
 ■ Health Services Administration
 ■ Human Communication
 ■ Linguistics
 ■ Psychology
 ■ Communication Sciences and Disorders

Advising Notes

■ None

Transfer Notes

■ "D" (1.0) grades are not accepted.
 ■ Lower division courses do not substitute for upper division courses.
 ■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
 ■ Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

Acceptable Substitutes for Transfer Courses

■ None

Shared Courses

SPA 6204	Articulation/Phonological Disorders	3 hrs
SPA 6410	Aphasia and Related Disorders	3 hrs
SPA 6496	Language Disorders in Children and Adolescents	6 hrs
SPA 6805	Research in Communicative Disorders	3 hrs
SPA 6551	Strategic Application of the Scientific Process in Clinical Practice	1 hr

Graduate Courses Link

■ None

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alac/academic_learning_compacts.htm

Equipment Fees

■ Part-Time Student: \$17.50 per term
 ■ Full-Time Student: \$35 per term

Computer Engineering - Accelerated Undergraduate-Graduate Program (B.S.P.E. / M.S.P.E.)

**College of Engineering and Computer Science
 Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,
 Room: 439**

<http://www.eecs.ucf.edu>

Email: eecepe-grad@eecs.ucf.edu

Dr. Kalpathy Sundaram

Diana Camerino

Phone: 407-823-3327

Admission Requirements

■ See Common Program Prerequisites
 ■ Qualified students may apply after completion of a minimum of 64 credit hours
 ■ Completion of no more than 96 credit hours
 ■ Completion of the GRE with a highly competitive score by the end of first semester of the senior year
 ■ Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements

■ None

1. UCF General Education Program (GEP) (38 hrs)

■ See Computer Engineering major in the catalog for track GEP requirements.

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)

■ See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

Computer Engineering: Basic Core 2 hrs

EGN 1007C	Engineering Concepts and Methods	1 hr
EGN 1006C	Introduction to the Engineering Profession	1 hr

4. Core Requirements: Advanced Level (57 hrs)

Courses Required for the Engineering Core 6 hrs

EGN 3310	Engineering Analysis-Statics	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP

Select 1: 3 hrs

EGN 3321	Engineering Analysis-Dynamics or	3 hrs
EGN 3358	Thermo-Fluids-Heat Transfer	3 hrs

Courses Required for the Major 48 hrs

COT 3100C	Introduction to Discrete Structures	3 hrs
COP 3502C	Computer Science I	3 hrs



Accelerated Undergraduate-Graduate Programs

COP 3503C	Computer Science II	3 hrs
COP 3330	Object Oriented Programming	3 hrs
COP 4331C	Processes for Object-Oriented Software Development	3 hrs
EEL 3004C	Electrical Networks	3 hrs
EEL 3123C	Networks and Systems	4 hrs
EEE 3307C	Electronics I	4 hrs
EEE 3342C	Digital Systems	3 hrs
EEL 3801C	Computer Organization	3 hrs
EEL 4742C	Embedded Systems	4 hrs
EEL 4768	Computer Architecture	3 hrs
EEL 4781	Computer Communication Networks	3 hrs
COP 4600	Operating Systems	3 hrs
EGN 3211	Engineering Analysis and Computation	3 hrs

5. Restricted Electives (9 hrs)

■ Technical electives should be taken at the 5000 level and are available in the BSPE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

EEL 4914	Senior Design I	3 hrs
EEL 4915L	Senior Design II	3 hrs

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ 24 of 32 residency hours must be 3000-5000 level courses taken from the EECS Department at UCF and applicable to the undergraduate degree program.

10. Required Minors

■ None

11. Departmental Exit Requirements

■ CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

■ 128

Total Combined Hours Required

■ 152

Honors In Major

■ None

Related Programs

- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates

■ None

Related Minors

- Information Technology
- Computer Science
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None

Shared Courses

(12 hrs)

■ Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Graduate Courses Link

■ None

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$30 per term
- Full-Time Student: \$60 per term

Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corporation Engineering Center,
Room: 437

<http://www.eecs.ucf.edu>

Dr. Hassan Foroosh, foroosh@eecs.ucf.edu

Ronda Leigh, Ronda.Leigh@ucf.edu

Phone: 407-823-3327

Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements

■ None

1. UCF General Education Program (GEP) (39 hrs)

■ See Computer Science major in the catalog for track specific GEP requirements.

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (17 hrs)

■ See Computer Science major in the catalog for the CPP requirements.



Accelerated Undergraduate-Graduate Programs

3. Core Requirements: Basic Level	(24 hrs)
STA 2023 Statistical Methods I	GEP
COP 3330 Object Oriented Programming	3 hrs
COP 3502C Computer Science I	3 hrs
COP 3503C Computer Science II	3 hrs
ENC 3241 Writing for the Technical Professional	3 hrs
CDA 3103 Computer Logic and Organization	3 hrs
COT 3100C Introduction to Discrete Structures	3 hrs
CIS 3360 Security in Computing	3 hrs
COP 3402 Systems Software	3 hrs
COT 3960 CS Foundation Exam	0 hrs

4. Core Requirements: Advanced Level (21 hrs)

■ A "C" (2.0) or better is required in all courses listed. Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.

COP 4331C Processes for Object-Oriented Software Development	3 hrs
EEL 4768 Computer Architecture	3 hrs
COT 4210 Discrete Structures II	3 hrs
COP 4020 Programming Languages I	3 hrs
COP 4600 Operating Systems	3 hrs
COP 4934 Senior Design I	3 hrs
COP 4935 Senior Design II	3 hrs

5. Restricted Electives (15 hrs)

5000 level Computer Science courses 9 hrs

■ Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

4000-5000 level mathematics or statistics 6 hrs

■ courses from: STA, MAP, MAA, MAD, MAS prefixes and the following courses.
■ No independent study hours, internship, or cooperative education hours are allowed.

MAC 2313 Calculus with Analytic Geometry III	4 hrs
MAP 2302 Ordinary Differential Equations I	3 hrs
MAS 3105 Matrix and Linear Algebra	4 hrs
MAS 3106 Linear Algebra	4 hrs

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

■ Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives (4 hrs)

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Complete an exit survey

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

■ 120

Total Combined Hours Required

■ 138

Honors In Major

■ None

Related Programs

- Computer Engineering
- Information Technology

Certificates

■ None

Related Minors

- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

Advising Notes

■ The following will be waived for this joint degree program:

- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None

Shared Courses (12 hrs)

■ Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

Graduate Courses Link

■ None

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$9 per term
- Full-Time Student: \$18 per term

Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439

<http://www.eecs.ucf.edu>

Email: eecpe-grad@eecs.ucf.edu

Dr. Kalpathy Sundaram

Diana Camerino

Phone: 407-823-3327

Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements

■ None

Accelerated Undergraduate-Graduate Programs

1. UCF General Education Program (GEP) (38 hrs)

- See Electrical Engineering major in the catalog for track specific GEP requirements.

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)

- See Electrical Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.

Engineering Core: Basic 2 hrs

EEN 1006C	Introduction to the Engineering Profession	1 hr
EEN 1007C	Engineering Concepts and Methods	1 hr

4. Core Requirements: Advanced Level (53 hrs)

Engineering Core: Advanced 9 hrs

EEN 3310	Engineering Analysis-Statics	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP
PHY 3101	Physics for Engineers and Scientists III	3 hrs

Select 1: 3 hrs

EEN 3321	Engineering Analysis-Dynamics or	3 hrs
EEN 3358	Thermo-Fluids-Heat Transfer	3 hrs

Courses Required for the Major 44 hrs

EEN 3004C	Electrical Networks	3 hrs
EEN 3123C	Networks and Systems	4 hrs
EEE 3350	Semiconductor Devices I	3 hrs
EEE 3307C	Electronics I	4 hrs
EEE 3342C	Digital Systems	3 hrs
EEN 3470	Electromagnetic Fields	3 hrs
EEN 3552C	Analog and Digital Communication Fundamentals	4 hrs
EEN 3657	Linear Control Systems	3 hrs
EEN 3801C	Computer Organization	3 hrs
EEE 4309C	Electronics II	4 hrs
EEN 4750	Digital Signal Processing Fundamentals	3 hrs
EEN 4742C	Embedded Systems	4 hrs
EEN 3211	Engineering Analysis and Computation	3 hrs

5. Restricted Electives (10 hrs)

- Technical electives should be taken at the 5000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

EEN 4914	Senior Design I	3 hrs
EEN 4915L	Senior Design II	3 hrs

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- 24 of 32 residency hours must be 3000-5000 level courses taken from the EECS Department at UCF and applicable to the undergraduate degree program.

10. Required Minors

- None

11. Departmental Exit Requirements

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

- 128

Total Combined Hours Required

- 146

Honors In Major

- None

Related Programs

- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

Certificates

- None

Related Minors

- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Shared Courses

- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Graduate Courses Link

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$30 per term
- Full-Time Student: \$60 per term

Accelerated Undergraduate-Graduate Programs

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

College of Arts and Humanities

Department of History, Colbourn Hall, Room: 551

<http://history.cah.ucf.edu/>

Email: Graduate program: hisgrad@ucf.edu

Email: Undergraduate program: history@ucf.edu

Dr. Peter Larson

Phone: 407-823-2224

This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master's degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

Admission Requirements

- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
- A 3.5 GPA or better in history courses and a 3.25 overall GPA or better.
- Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section.
- Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History Department.
- Students will be formally admitted to the master's program following receipt of the B.A. degree.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "B" (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000- level courses to meet this requirement.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP) (36 hrs)

- See the History major in this catalog for track specific GEP requirements

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

¹ AMH 2010 U.S. History: 1492-1877

GEP

¹ AMH 2020 U.S. History: 1877-Present

GEP

3. Core Requirements: Basic Level (6 hrs)

Select one of the following sequences of courses:

EUH 2000	Western Civilization I and	3 hrs
EUH 2001	Western Civilization II	3 hrs

or

WOH 2012	World Civilization I and	3 hrs
WOH 2022	World Civilization II	3 hrs

4. Core Requirements: Advanced Level (3 hrs)

HIS 4150	History and Historians	3 hrs

5. Restricted Electives (21 hrs)

- (Must be taken within the History Department)

Select six hours of approved history courses 18 hrs within three of the four geographic regions:

- Asian, African, and Middle Eastern
- British and European
- Latin American
- U.S. and Canadian

Select three hours of approved history courses 3 hrs

- Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department's M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

Graduate Degree Requirements

- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
- Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
- Students need to pay fees at the graduate rate for the graduate courses they take.

Schedule for students enrolled full-time in the accelerated program:

- Students complete nine hours of graduate-level courses their senior year.
- Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
- Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.
- Students complete and defend a master's thesis in six hours.

¹ See Transfer Notes for possible substitutes



10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 3.5 in upper division required courses attempted.
- Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student's written work including, but not limited to, book critiques, in-class essay exams, and term papers.
- Students must complete at least 18 of the required 36 history hours at UCF.
- Computer competency met by completion of the major.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

- 120

Total Combined Hours Required

- 147

Honors In Major

- None

Related Programs

- Humanities

Certificates

- None

Related Minors

- Africana Studies
- American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Middle Eastern Studies
- Women's Studies

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Shared Courses

- None

Graduate Courses Link

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Industrial Engineering - Accelerated Undergraduate-Graduate Program (B.S.I.E. / M.S.I.E.)

College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312

<http://www.iems.ucf.edu/>

Dr. William Thompson, william.thompson@ucf.edu, 407-823-2636
 Phone: 407-823-2204

Admission Requirements

- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Completion of the GRE with a highly competitive score by the end of the junior year
- Admission is not automatic. Interested students may need to be interviewed

Degree Requirements

- None

1. UCF General Education Program (GEP) (38 hrs)

- See Industrial Engineering major in the Catalog for track specific GEP requirements.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)

- See Industrial Engineering major in the Catalog for the CPP requirements.
- See "Common Prerequisites" in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (60 hrs)

Industrial Engineering Core: Basic 2 hrs

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

4. Core Requirements: Advanced Level (59 hrs)

- Graduate courses used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A "C" (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI or STA. A "B" (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.

EIN 2002	Introduction to Industrial Engineering and Management Systems	1 hr
1 COP 3223	Introduction to Programming with C	3 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs
EGN 3373	Principles of Electrical Engineering	3 hrs
² EIN 5108	The Environment of Technical Organizations	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP
MAS 3105	Matrix and Linear Algebra	4 hrs
EIN 3314	Work Analysis and Design	3 hrs
EIN 3351	Engineering Economic Analysis and Cost	3 hrs
ESI 4221	Engineering Empirical Methods for Industrial Engineering	3 hrs
ESI 4234	Quality Engineering	3 hrs
EIN 4243C	Human Engineering	3 hrs
EIN 4333	Production and Distribution Systems	3 hrs
EIN 4364	Facilities Planning	3 hrs



Accelerated Undergraduate-Graduate Programs

EIN 4391	Manufacturing Engineering	3 hrs
EIN 4517	Systems Engineering	3 hrs
ESI 4628C	Industrial Engineering Applications of Computers	3 hrs
³ ESI 5306	Operations Research	3 hrs
⁴ ESI 5531	Discrete Systems Simulation	3 hrs

Select 1:		3 hrs
EGN 3358	Thermo-Fluids-Heat Transfer or	3 hrs
EGN 3343	Thermodynamics	3 hrs

¹ Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

² Substitute for EGN 4624

³ Substitute for ESI 4312

⁴ Substitute for ESI 4523C

5. Restricted Electives (7 hrs)

■ Three (3) hours of technical electives must be either EIN 5140 Project Engineering or ESI 5219 Engineering Statistics which are required core requirements in the MSIE program. Another Three (3) hours of technical elective may be taken at the 5000 level as a substitute for any of the 3 courses specified in the core requirements for the BSIE. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

EIN 4891C	Industrial Engineering Senior Design Project	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

■ 128

Total Combined Hours Required

■ 146

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.

■ Undergraduate students taking graduate courses must be within nine hours of graduation

■ Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester

■ Undergraduate students are not eligible to take 6000-level courses

Transfer Notes

■ None

Acceptable Substitutes for Transfer Courses

■ None

Shared Courses

■ Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. The 5000 level courses listed in the plan above are examples. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.

Graduate Courses Link

■ None

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

■ Part-Time Student: \$38 per term

■ Full-Time Student: \$77 per term

Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E. or M.S.A.E.)
College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering I, Room: 307
<http://www.mmae.ucf.edu>

Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778
 Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
 Phone: 407-823-2416

Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements

■ None

1. UCF General Education Program (GEP) (38 hrs)

■ See Mechanical Engineering major in the Catalog for track specific GEP requirements

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Mechanical Engineering major in the Catalog for CPP requirements.



Accelerated Undergraduate-Graduate Programs

3. Core Requirements: Basic Level (2 hrs)

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

4. Core Requirements: Advanced Level (63 hrs)

EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3343	Thermodynamics	3 hrs
EGN 3365	Structure and Properties of Materials	3 hrs
EGN 3373	Principles of Electrical Engineering	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP
EML 3034C	Modeling Methods in Mechanical and Aerospace Engineering	3 hrs
EML 3303C	Mechanical Engineering Measurements	3 hrs
EGM 3601	Solid Mechanics	3 hrs
EML 3701	Fluid Mechanics I	3 hrs
EML 4142	Heat Transfer	3 hrs
EML 3217	Engineering Mechanics - Dynamics	3 hrs
EML 4225	Introduction to Vibrations and Controls	3 hrs
EML 3500	Design and Analysis of Machine Components	3 hrs

Select 2 of the Following: 6 hrs

EML 3101	Thermodynamics of Mechanical Systems or	3 hrs
EML 4143	Heat Transfer II or	3 hrs
EML 4313	Intermediate System Dynamics and Controls or	3 hrs
EML 4703	Fluid Mechanics II or	3 hrs
EML 4504	Design & Analysis of Machine Components II	3 hrs

Select 1 of the Following: 3 hrs

EML 4301C	Mechanical Systems Lab or	3 hrs
EML 4306C	Energy Systems Lab	3 hrs

5. Restricted Electives

Approved Electives 18 hrs

■ Technical electives should be taken at the 5000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements (6 hrs)

■ CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1: 3 hrs

EML 4501C	Engineering Design I or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

Select 1: 3 hrs

EML 4502C	Engineering Design II or	3 hrs
EGN 4413C	Interdisciplinary Design II	3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

- 128

Total Combined Hours Required

- 146

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Career and Academic Advising

■ The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EML 3990	Mechanical Career and Academic Faculty Advising I	0 hrs
EML 4991	Mechanical Career and Academic Faculty Advising II	0 hrs

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Shared Courses

■ Shared B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E. Up to 12 credit hours of approved 5000 and 6000 level courses with grades of "B" (3.0) or better may be counted towards the B.S. and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link

- <http://www.graduatecatalog.ucf.edu/content/Courses.aspx>

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

Accelerated Undergraduate-Graduate Programs

Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor

<http://www.nursing.ucf.edu>

Email: ucfnurse@ucf.edu

Dr. Jean Leuner, Dean

Dr. Linda Hennig, Assoc. Dean Undergraduate

Patricia Leli, Undergraduate Coordinator

Phone: 407-823-2744

For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program
- Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year of admission is sought. For application deadlines, please visit <http://www.nursing.ucf.edu/>.
- Application to the university must also be submitted by the program application deadline.
- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.
- Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar's Office. These students complete the "Readmission Application" form.
- Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
- All applicants must have a minimum overall GPA of 3.0
- Selected applicants will be invited to a mandatory personal interview session
- Applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at <http://www.nursing.ucf.edu>.
- At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline. This includes 3 courses from Group A and the remainder from Groups A or B.

Group A

■ grade of C (2.0) or better	
Microbiology with Lab	4 hrs
Anatomy with Lab	4 hrs
Physiology with Lab (or A&P I, II)	4 hrs
¹ CHM 1032 General Chemistry	3 hrs

¹ or other approved Science

Group B

■ grade of C (2.0) or better	
Sociology or	3 hrs
Psychology	
Developmental Psychology	3 hrs
Human Nutrition	3 hrs
Statistics	3 hrs

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog year, including any minors.

■ Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.

■ A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.

■ UCF Residency requirement: 30 hours (if applicable)

1. UCF General Education Program (GEP)

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (27 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

¹ MCB 2004C	Microbiology for Health Professionals	4 hrs
² CHM 1032	General Chemistry	3 hrs
¹ ZOO 3733C	Human Anatomy	4 hrs
¹ PCB 3703C	Human Physiology	4 hrs
HUN 3011	Human Nutrition	3 hrs

Select 1: (3 hrs)

STA 2014C	Principles of Statistics or	3 hrs
STA 2023	Statistical Methods I	3 hrs

Select 1: (3 hrs)

SOW 3104	Assessing I: Human Development or	3 hrs
DEP 2004C	Developmental Psychology	3 hrs

Select 1: (3 hrs)

PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology	3 hrs

¹ science prerequisite

² or other approved science prerequisite

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (57 hrs)

■ Any variation from the following must be approved by the College of Nursing.

NUR 3065	Health Assessment	2 hrs
NUR 3065L	Health Assessment Lab	1 hr
NUR 3825	The Role of the Professional Nurse	2 hrs
NUR 3028	Essentials of Nursing Practice	2 hrs
NUR 3028L	Essentials of Nursing Practice Lab	1 hr
NUR 3755L	Essentials of Nursing Practice Clinical	2 hrs
NUR 3634	Community Health Nursing	3 hrs
NUR 3634L	Community Health Nursing Clinical	2 hrs
NUR 3125	Pathophysiology for Nursing Practice	3 hrs
NUR 3145	Pharmacology for Nursing Practice	3 hrs
NUR 3225	Nursing Care of the Adult I	3 hrs
NUR 3225L	Nursing Care of the Adult I: Clinical Practice	2 hrs
NUR 3445	Nursing Care of Families	3 hrs
NUR 3445L	Nursing Care of Families Clinical	2 hrs
¹ NUR 3167	Accelerated Nursing Research Seminar	1 hr
NUR 4227	Nursing Care of the Adult II	4 hrs
NUR 4227L	Nursing Care of the Adult II: Clinical Practice	3 hrs



Accelerated Undergraduate-Graduate Programs

NUR 4829	Accelerated Transitioning into Professional Practice as a Leader	3 hrs
NUR 4257	Introduction to Critical Care Nursing	3 hrs
NUR 4945L	Nursing Practicum	4 hrs
NUR 4535	Psychiatric Mental Health Nursing	3 hrs
NUR 4535L	Psychiatric Mental Health Clinical	2 hrs
NUR 4637	Public Health Nursing	2 hrs
NUR 4637L	Public Health Nursing Clinical	1 hr

¹ Students without a research course on transcript must take NUR 3165 (3 hrs)

5. Restricted Electives (3 hrs)

Nursing Elective 3 hrs

■ Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ None

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

- Mandatory Drug Screening is required prior to admission and "on demand" for continuation in the program.
- Complete all courses in major with at least a "C" (2.0)
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

10. Required Minors

■ None

11. Departmental Exit Requirements

- Completion of all courses in major with a grade of "C" (2.0) or better
- UCF GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

■ 57

Honors In Major

- University Honors and Honors in the Major Available
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs

- Health Services Administration
- Social Work

Certificates

■ None

Related Minors

- Aging Studies
- Psychology
- Health Sciences
- Health Services Administration

Advising Notes

■ None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- General Psychology (PSY X012) or any General Psychology course (3 hrs)
- General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023)
- General Chemistry (CHM 1032 or any other approved chemistry course (3 hrs) or approved science course (3 hrs)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094 or (BSC X085/X086). This is a biological science prerequisite. (6-8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/ lab or any Microbiology course w/lab. This is a biological science prerequisite. (4 hrs)
- Developmental Psychology (DEP 2004C) or any Human Growth & Development Across Life Span (3 hrs)
- Human Nutrition with Therapeutic Nutrition (3 hrs)

Shared Courses

■ None

Graduate Courses Link

■ None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$25 per term
- Full-Time Student: \$50 per term

Nursing - R.N. to M.S.N. Option (B.S.N./M.S.N.)

College of Nursing

UTWR, Room: 3rd floor

<http://www.nursing.ucf.edu/>

Email: ucfnurse@ucf.edu

Dr. Stephen Heglund, RN to MSN Coordinator

Dr. Jean Leuner, Dean

Dr. Linda Hennig, Assoc. Dean Undergraduate

Dr. Susan Chase, Assoc. Dean Graduate

Phone: 407-823-2744

An accelerated program for students who hold an RN license and meet general education requirements, nursing pre-requisites, and required GPA. All courses are available online. Available for the following tracks in the graduate program: Nursing Leadership and Management, Clinical Nurse Leader, and Nurse Educator. Nine (9) graduate credit hours may be applied to meet requirements of both BSN and MSN programs.

Admission Requirements

- Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at <http://www.nursing.ucf.edu> for application materials.

All applicants must meet the following criteria:

- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida College System institution.
- Completion of prerequisites for the RN to BSN nursing program



Accelerated Undergraduate-Graduate Programs

- Minimum cumulative GPA of 3.0. (all prior college coursework)
- Admitted to UCF undergraduate program

Interim Requirements:

- Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate

Program Phase:

- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies website for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- UCF Residency Requirement: 30 hours
- The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements
- The MSN is awarded after program completion
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours
- An individualized plan of study is developed for each student admitted to the RN to MSN option.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Prefer	MAC 1105C	College Algebra	3 hrs
Required	STA 2014C	Principles of Statistics	3 hrs

D: Social Foundations (6 hrs)

Select 1: (3 hrs)

¹	SYG 2000	Introduction to Sociology or	3 hrs
Prefer			
¹	PSY 2012	General Psychology	3 hrs
Prefer			

Select 1: (3 hrs)

Prefer	ECO 2013	Principles of Macroeconomics or	3 hrs
Prefer	ECO 2023	Principles of Microeconomics or	3 hrs
Prefer	POS 2041	American National Government	3 hrs

¹ One of these courses is required to meet General Education requirements.

E: Science Foundations (6 hrs)

Suggested	BSC 2010C	Biology I	4 hrs
¹ Required	CHM 1032	General Chemistry	3 hrs

¹ or other approved science. Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is needed as a course prerequisite for Nutrition (HUN 3011)

2. Common Program Prerequisites (CPP) (18 hrs)

- See "Common Prerequisites" in the Transfer and

Transitions Services section for more information.

MCB 2004C	Microbiology for Health Professionals	4 hrs
¹ CHM 1032	General Chemistry	GEP
² ZOO 3733C	Human Anatomy	4 hrs
² PCB 3703C	Human Physiology	4 hrs
HUN 3011	Human Nutrition	3 hrs

Select 1:

³ STA 2014C	Principles of Statistics or	GEP
STA 2023	Statistical Methods I	GEP

Select 1:

SOW 3104	Assessing I: Human Development or	3 hrs
DEP 2004C	Developmental Psychology	3 hrs

Select 1:

PSY 2012	General Psychology or	GEP
SYG 2000	Introduction to Sociology	GEP

¹ Or other approved science. Also meets General Education

Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

² May take Anatomy and Physiology sequence of six-eight total credits.

³ Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (30 hrs)

NUR 3805	Dimensions of Professional Nursing Practice	3 hrs
NUR 3165	Nursing Research	3 hrs
NUR 3634	Community Health Nursing	3 hrs
NUR 4837	Health Care Issues, Policy, and Economics	3 hrs
NUR 4604L	Practicum in Community and Public Health Nursing for RNs	4 hrs
NUR 4637	Public Health Nursing	2 hrs

NURSE EDUCATOR / CLINICAL NURSE (12 hrs)

LEADER TRACKS

- Take the following 12 credits (nine graduate credits also applied to MSN)

NGR 5003	Advanced Health Assessment and Diagnostic Reasoning and	2 hrs
NGR 5003L	Advanced Health Assessment and Diagnostic Reasoning (Lab) and	1 hr
NGR 5141	Pathophysiological Bases for Advanced Nursing Practice and	3 hrs
NUR 4828	Nursing Leadership, Management and Role Transition and	3 hrs
NGR 5800	Theory for Advanced Practice Nursing	3 hrs

NURSING LEADERSHIP & MANAGEMENT TRACK (12 hrs)

- Takes the following 12 credits (nine graduate credits also applied to MSN)

NGR 5720	Organizational Dynamics and	3 hrs
NGR 5871	Health Care Informatics and	3 hrs
NGR 5800	Theory for Advanced Practice Nursing and	3 hrs
NUR 3065	Health Assessment and	2 hrs
NUR 3065L	Health Assessment Lab	1 hr

5. Restricted Electives

Upper Division Credit (27 hrs)

- May be met by validation and RN License.

NUR 3028	Essentials of Nursing Practice	2 hrs
NUR 3028L	Essentials of Nursing Practice Lab	1 hr
NUR 3225	Nursing Care of the Adult I	3 hrs
NUR 3225L	Nursing Care of the Adult I: Clinical Practice	2 hrs
NUR 3445	Nursing Care of Families	3 hrs
NUR 3445L	Nursing Care of Families Clinical	2 hrs
NUR 3755L	Essentials of Nursing Practice Clinical	2 hrs
NUR 4227	Nursing Care of the Adult II	4 hrs
NUR 4227L	Nursing Care of the Adult II: Clinical Practice	3 hrs
NUR 4535	Psychiatric Mental Health Nursing	3 hrs
NUR 4535L	Psychiatric Mental Health Clinical	2 hrs



Accelerated Undergraduate-Graduate Programs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).

Graduation

- None

8. Electives

- Variable to meet degree requirements.

9. Additional Requirements

- A criminal background check and mandatory Drug Screening are required prior to any clinical course and "on demand" for continuation in the program.

10. Required Minors

- None

11. Departmental Exit Requirements

- Completion of all courses in major with a grade of "B" (3.0) or better

- Cumulative GPA of 2.5 or above

- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

- 120

Honors In Major

- Contact CON HIM Advisor or Program Coordinator

Related Programs

- Health Services Administration

Certificates

- Aging Studies

Related Minors

- Psychology

- Health Sciences

- Health Services Administration

- Health Information Management

Advising Notes

- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes

- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses

- None

Shared Courses

- None

Graduate Courses Link

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$25 per term

- Full-Time Student: \$50 per term



STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

The University offers five specialized degree programs for students who have graduated from a Florida College System institution with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the statewide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice) from a Florida public community or state college.
2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 Florida College System institution A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.
3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.
4. Students should select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.
5. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community or state college or state university and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who chose to complete their general education

program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.

6. Students with an Associate in Applied Science (A.A.S.) degree are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access program in Nursing or programs that require specific grades in particular courses for admission.

Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites. Students are still required to complete all of the components of the Gordon Rule prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. To earn a bachelor's degree, students must complete 36 hours of General Education Program.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Director of Advising 407-823-5949, or the Director of Transfer and Transition Services, 407-823-2231.

Applied Science B.A.S. (A.S. to B.A.S.)

Office of Undergraduate Studies

Office of Interdisciplinary Studies,

12201 Research Parkway, Suite 101

<http://www.regionalcampuses.ucf.edu/>

TBA, Regional Campuses Administration, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making. Candidates for this program must have earned a statewide articulated A.S. from a Florida College System institution in Fall 2000 or later. Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida College System institution or State University and must request an official transcript with "general education requirements met" on the transcript and sent to the UCF Registrar prior to the student's graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. If students wish to take an upper division course at the main Orlando campus, they should see a Regional Campus academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact Regional Campuses Advising at 407-823-4547.

Admission Requirements

- Completion of an A.S. degree from a Florida College System institution in Fall 2000 or later including at least 15 hours of transferable general education courses. Other applicants will be given individual review.

Degree Requirements

- Students must earn 42 semester hours of upper level credit.
- Students who change degree programs and select this major must adopt the most current catalog.

- Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including Gordon Rule, Foreign Language Admission, and General Education.

1. UCF General Education Program (GEP) (36 hrs)

- Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (10 hrs)

MAN 3025 Management of Organizations 4 hrs

Select 1: 4 hrs

BUL 3130 Legal and Ethical Environment of Business 4 hrs

or

PLA 3014 Law and the Legal System 3 hrs

Select 1: 3 hrs

ENC 3241 Writing for the Technical Professional or 3 hrs

ENC 3250 Professional Writing 3 hrs

4. Core Requirements: Advanced Level

- None

5. Restricted Electives

- Area of Concentration (Choose one)
- All tracks are not available at all locations.

Supervision and Administration Track 19 hrs

Take all of the following: 19 hrs

INP 3004 Industrial/Organizational Psychology and 3 hrs

MAR 3023 Marketing and 4 hrs

MAN 3302 Essentials of Human Resource 3 hrs

Management for Non-Business Majors and

MAN 3354 Employee Training for Non-Business 3 hrs

Majors and

ACG 3082 Accounting For Non-Business Majors and 3 hrs

Restricted Elective (Consult with Program Advisor) 3 hrs



Statewide Articulated A.S. To B.S. Programs

Criminal Justice Track		18 hrs
CCJ 3024	Criminal Justice System	3 hrs
CCJ 3014	Crime in America	3 hrs
Select 2:		6 hrs
CJL 3510	Prosecution and Adjudication or	3 hrs
CJC 3010	Corrections and Penology or	3 hrs
CJE 4014	Police and Society	3 hrs
Six additional hours of CCJ, CJC, CJE, CJL, or CJT courses, selected with the aid of an academic advisor		6 hrs
Legal Studies Track		18 hrs
Take all of the following:		6 hrs
PLA 3014	Law and the Legal System and	3 hrs
PLA 3108	Legal Research	3 hrs
Select 4:		12 hrs
PLA 3155	Legal Writing or	3 hrs
PLA 3205	Civil Practice and Procedure or	3 hrs
PLA 3277	The Law of Torts or	3 hrs
PLA 3309	Criminal Procedure or	3 hrs
PLA 4424	The Law of Contracts or	3 hrs
PLA 4703	Professional Ethics and Liability	3 hrs
Health Services Administration		18 hrs
Take all of the following:		15 hrs
HSA 3111	U.S. Health Care Systems and	3 hrs
HSC 4201	Community Health and	3 hrs
HSA 4180	Organization & Management for Health Agencies I and	3 hrs
HSA 4191	Health Care Automation and	3 hrs
HSC 4500	Epidemiology	3 hrs
Select 1:		3 hrs
HSC 4652	Health Law and Ethics or	3 hrs
HSA 4109	Principles of Managed Care or	3 hrs
HSA 4702	Health Sciences Research Methods or	3 hrs
HIM 4508C	Quality Management	3 hrs
Information Technology Track		21 hrs
■ Requirements for the track: An A.S. degree in computer technology, computer related field or at a minimum an A.S. degree and at least 3 different computer technology courses from computer applications, computer networking, computer programming, internet technologies or equivalent experience or education. The track has a computer programming course prerequisite or equivalent experience or C.I. Acceptable courses include C, C++, C#, Visual Basic, Java, or equivalent, or C.I.		
Take all of the following:		21 hrs
CET 3383	Applied Systems Analysis I and	3 hrs
CET 4427	Applied Database I and	3 hrs
ETI 4448	Applied Project Management and	3 hrs
CET 4748	Wide Area Networks I and	3 hrs
CET 4749	Wide Area Networks II and	3 hrs
CET 4663	Computer and Network Security and	3 hrs
CET 4483	Intro to Local Area Network Technology	3 hrs
Software Development Track		21 hrs
■ Requirements for the track: An A.S. degree in Computer Programming and Analysis (CP&A), or at a minimum an A.S. degree and at least 3 programming courses (an intro and 2 courses in the same language in sequence) and a database course.		
Take all of the following:		21 hrs
COP 3330	Object Oriented Programming and	3 hrs
CEN 3024	Software Development I and	3 hrs
CEN 4025	Software Development II and	3 hrs
CEN 4910	Software Development Project and	3 hrs
ETI 4448	Applied Project Management and	3 hrs
CEN 4802	Software Integration, Configuration, and Testing and	3 hrs
CEN 4333	Advanced Database Development	3 hrs
6. Capstone Requirements		
■ None		

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Consult Program Advisor.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- Consult Program Advisor.

Advising Notes

- Students may use 3 hours of internship as a part of the upper division requirements.

Transfer Notes

- Students have the option of completing the state approved general education program at a Florida College System institution or State University and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to the student's graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.
- Lower division courses do not substitute for upper division courses.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Statewide Articulated A.S. To B.S. Programs

Criminal Justice - A.S. to B.S. Track (B.S.)

College of Health and Public Affairs

Department of Criminal Justice,

Health & Public Affairs I, Room: 311

<http://www.cohpa.ucf.edu/crim.jus/>

Email: cjadvice@mail.ucf.edu

Mary Ann Eastep

Phone: 407-823-2603

A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida College System institution)

Admission Requirements

- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.

- The courses designated in section 1 below may be taken at a Florida College System institution.

- Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)

- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP)

- Completed as part of the approved A.S. program

- See "Common Prerequisites" in the Transfer and Transition Services section.

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (21 hrs)

CCJ 3024	Criminal Justice System	3 hrs
CCJ 3014	Crime in America	3 hrs
CJL 3510	Prosecution and Adjudication	3 hrs
CJC 3010	Corrections and Penology	3 hrs
CJE 4014	Police and Society	3 hrs
CCJ 4701	Research Methods in Criminal Justice	3 hrs
CCJ 4746	Data Analysis for Criminal Justice	3 hrs

5. Restricted Electives (27 hrs)

- 24 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.

- 3 additional semester hours of supporting courses to be selected with and approved by the student's advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 130

Honors In Major

- None

Related Programs

- Legal Studies

Certificates

- Crime Analysis and Crime Mapping

- Criminal Profiling

- Security Management

- Crime Scene Investigation

- Victim Advocacy

Related Minors

- Legal Studies

- Public Administration

- Psychology

Advising Notes

- None

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

General Business - A.S. to B.S. Track (B.S.B.A.)

College of Business Administration

Department of Management,

Business Administration II, Room: 101

<http://www.bus.ucf.edu/>

Phone: 407-823-2184

Completion program only for individuals who have statewide articulated A.S. from a Florida College System institution.

Admission Requirements

- Completion of a Statewide Articulated A.S. in Business Administration from a Florida College System institution which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

Degree Requirements

- Must complete all Gordon Rule requirements prior to admission to this degree.



Statewide Articulated A.S. To B.S. Programs

- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB. Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied toward the major.

1. UCF General Education Program (GEP) (12 hrs)

- Students will complete 12 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and may come from the following areas:

A: Communication Foundations

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (18 hrs)

- Must be completed with a "C" (2.0) or better.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

Select one of the following sequences of courses:

- Students must complete both MAC 2233 and STA 2023 with a "C" (2.0) or better to be waived from ECO 3401.

ECO 3401	Quantitative Business Tools I	3 hrs
or		
MAC 2233	Concepts of Calculus and	3 hrs
STA 2023	Statistical Methods I	3 hrs

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (44 hrs)

Core Classes 32 hrs

- First or subsequent semester in the College of Business Administration:

BUL 3130	Legal and Ethical Environment of Business	4 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
FIN 3403C	Business Finance	4 hrs
¹ GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
² GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
GEB 3375	Introduction to International Business	4 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs
MAR 3203	Supply Chain and Operations Management	4 hrs

¹ Required in 1st or 2nd semester.

² Must be taken with GEB 3031

Second Level Core Requirements 12 hrs

- Students must take the following four (4) courses:

ECP 4703	Managerial Economics	3 hrs
FIN 3303	Financial Markets	3 hrs
MAN 3301	Management of Human Resources	3 hrs
MAR 3503	Consumer Behavior	3 hrs

5. Restricted Electives (12 hrs)

- Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

6. Capstone Requirements (4 hrs)

- MAN 4720 Strategic Management 4 hrs
- This course is taken in the graduating term and requires the following prerequisites:

FIN 3403C	Business Finance	4 hrs
¹ GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
² GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs

¹ Required in 1st or 2nd semester.

² Must be taken with GEB 3031

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Must be outside of the College of Business (variable)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 132

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.



Statewide Articulated A.S. To B.S. Programs

■ Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.

■ ACG X001 and X011 will substitute for ACG 2021 at UCF

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

■ None

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees

■ Part-Time Student: \$15 per term
■ Full-Time Student: \$30 per term

Hospitality Management - A.S. to B.S. Track (B.S.)

Rosen College of Hospitality Management

Department of Hospitality Services,

9907 Universal Boulevard, Orlando, FL 32819

Email: hospitality@mail.ucf.edu

Dr. Abraham Pizam, Dean

Phone: 407-903-8000

Admission Requirements

■ Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study

Degree Requirements

■ None

1. UCF General Education Program (GEP) (18 hrs)

■ Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (3 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. Core Requirements: Basic Level (3 hrs)

MAC 1105C College Algebra 3 hrs

Select 1: 3 hrs
CGS 2100C Computer Fundamentals for Business or GEP
STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or GEP
ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (27 hrs)

Hospitality Management Core 27 hrs

HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4941 Internship II 1 hr
HFT 4944 Internship III 1 hr

Select 3 9 hrs

HFT 3700 Tourism Management or 3 hrs
HFT 3263 Restaurant Management or 3 hrs
HFT 3273 Principles of Resort Timesharing or 3 hrs
HFT 4755 Theme Park and Attraction Management or 3 hrs
HFT 4277 Yacht, Country, And City Club Management 3 hrs

Guest Lecture 1 hr

¹ HFT 3933 Distinguished Lectures in Hospitality Management 1 hr

¹ See Program Advisor for Options

5. Restricted Electives (15 hrs)

■ Students should select one of the following options to fulfill their hospitality management restricted elective requirement.

Restricted Electives 15 hrs

■ Students must take 15 credit hours (five courses) from the following:

FSS 3008 Culture and Cuisine 3 hrs
FSS 4135 Corporate Contract and Managed Services Organizations 3 hrs

FSS 4286C Catering and Banquet Organization 3 hrs
HFT 3353 Golf Planning & Operations I 3 hrs
HFT 3354 Agronomy for Golf Course Management 3 hrs
HFT 3355 Golf Planning & Operations II 3 hrs
HFT 3357 Golf & Club Event Operations 3 hrs
HFT 3384 Golf and Club Enterprises Management 3 hrs
HFT 3654 Franchising in the Restaurant Industry 3 hrs
HFT 3741 Meeting Management 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 3868 History and Culture of Wine 3 hrs
HFT 4253 Advanced Lodging Operations 3 hrs
HFT 4266 Hospitality Brand Management 3 hrs
HFT 4268 Case Studies in Restaurant Management 3 hrs
HFT 4274 Resort Management 3 hrs
HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs

HFT 4343 Hospitality Facilities Management 3 hrs
HFT 4358 Golf & Club Facility Design 3 hrs
HFT 4432 Hospitality Industry Auditing 3 hrs
HFT 4473 Hospitality Development Analysis 3 hrs
HFT 4522 Resort Sales Tactics and Strategies 3 hrs
HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs

HFT 4561 Destination Marketing 3 hrs
HFT 4614 Risk Management in Theme Parks and Attractions 3 hrs

HFT 4735 Tourism Geography 3 hrs
HFT 4736 Destination Management 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
HFT 4759 Product Development in Theme Parks and Attractions 3 hrs

HFT 4762 Current Practices in the Airline Industry 3 hrs
HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry 3 hrs

HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs

HFT 4795 Entertainment Arts and Events 3 hrs
HFT 4796 International Events 3 hrs
HFT 4864 Seminar in Quality Brewing and Fine Beer 3 hrs
HFT 4866C Exploring Wines of the World 3 hrs
HFT 4894 International Gastronomy 3 hrs
HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs



Statewide Articulated A.S. To B.S. Programs

Specialized Tracks

15 hrs

■ Or students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

Theme Park and Attraction Mgmt Track

15 hrs

HFT 4532	Managing the Employee Experience in the Theme Park and Attraction Industry or	3 hrs
HFT 4759	Product Development in Theme Parks and Attractions or	3 hrs
HFT 4614	Risk Management in Theme Parks and Attractions or	3 hrs
HFT 4786	Managing the Guest Experience in the Theme Park and Attraction Industry or	3 hrs
HFT 4787	Operational Issues in the Theme Park and Attraction Industry or	3 hrs
HFT 4795	Entertainment Arts and Events	3 hrs

Golf and Club Management Track

15 hrs

HFT 3353	Golf Planning & Operations I or	3 hrs
HFT 3354	Agronomy for Golf Course Management or	3 hrs
HFT 3355	Golf Planning & Operations II or	3 hrs
HFT 3357	Golf & Club Event Operations or	3 hrs
HFT 3384	Golf and Club Enterprises Management or	3 hrs
HFT 4358	Golf & Club Facility Design	3 hrs

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ State University System foreign language requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ Grades of "C-" (1.75) or below do not transfer into the Hospitality Management core or restricted electives.
■ It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student's responsibility for dropping courses they do not intend to complete.

■ Final exams will be given during Exam Week only.

10. Required Minors

■ None

11. Departmental Exit Requirements

■ None

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 124

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

■ None

Transfer Notes

■ Florida College System students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.

■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.

■ A minimum of 30 semester hours must be completed at UCF within the Hospitality major.

■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses

HFT 2401 Hospitality Industry Financial Accounting 3 hrs
may be substituted with: ACG X001

HFT 2401 Hospitality Industry Financial Accounting 3 hrs
may be substituted with: ACG X011

Plan of Study

■ None

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

■ Part-Time Student: \$37.50 per term

■ Full-Time Student: \$75 per term

Nursing - A.S. to B.S.N. Track (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor

<http://www.nursing.ucf.edu>

Email: ucfnurse@ucf.edu

Dr. Jean Leuner, Dean

Dr. Linda Hennig, Associate Dean

Dr. Stephen Heglund, RN-BSN Coordinator

Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college. (12/2000 or later)

Admission Requirements

■ Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:

■ A minimum overall undergraduate GPA of 2.8

■ Completion of a Statewide Articulated AS in Nursing from a Florida College System institution which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later). Individuals who received AS prior to 12/00 or attended school other than a Florida College System or State University System institution should follow section "B" - RN to BSN Program

■ Current RN License

Degree Requirements

■ Completion of all common program prerequisite courses with at least a grade of "C" (2.0) or better in each course

■ Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements

■ The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution and should usually be completed in the first 60 hours

■ A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program

■ UCF Residency Requirement: 32 hours

Statewide Articulated A.S. To B.S. Programs

1. UCF General Education Program (GEP) (36 hrs)

■ Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida College System institution should complete those courses prior to their last 30 hours at UCF.

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Required	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Prefer	MAC 1105C	College Algebra	3 hrs
Required	STA 2014C	Principles of Statistics	3 hrs

D: Social Foundations (6 hrs)

Required	SYG 2000	Introduction to Sociology	3 hrs
Required	PSY 1012	General Psychology	3 hrs

E: Science Foundations (7 hrs)

Required	BSC 2010C	Biology I	4 hrs
Required	CHM 1032	General Chemistry	3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

¹ CHM 1032	General Chemistry	GEP
HUN 3011	Human Nutrition	3 hrs
MCB 2004C	Microbiology for Health Professionals	4 hrs
² PCB 3703C	Human Physiology	4 hrs
² ZOO 3733C	Human Anatomy	4 hrs

Select 1:

³ STA 2014C	Principles of Statistics or	GEP
STA 2023	Statistical Methods I	GEP

Select 1: (3 hrs)

SOW 3104	Assessing I: Human Development or	3 hrs
DEP 2004C	Developmental Psychology	3 hrs

Select 1:

PSY 1012	General Psychology or	GEP
SYG 2000	Introduction to Sociology	GEP

¹ (or other Approved Science) Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

² May take Anatomy and Physiology sequence of six-eight total credits

³ Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (54 hrs)

UCF Core (27 hrs)

NUR 3805	Dimensions of Professional Nursing Practice	3 hrs
NUR 3065	Health Assessment	2 hrs
NUR 3065L	Health Assessment Lab	1 hr
NUR 3165	Nursing Research	3 hrs
NUR 3634	Community Health Nursing	3 hrs
NUR 4837	Health Care Issues, Policy, and Economics	3 hrs
NUR 4604L	Practicum in Community and Public Health Nursing for RNs	4 hrs
NUR 4828	Nursing Leadership, Management and Role Transition	3 hrs
NUR 4637	Public Health Nursing	2 hrs
NUR 3125	Pathophysiology for Nursing Practice	3 hrs

Upper Division Credit

27 hrs

■ May be met by validation and RN License

NUR 3028	Essentials of Nursing Practice	2 hrs
NUR 3028L	Essentials of Nursing Practice Lab	1 hr
NUR 3755L	Essentials of Nursing Practice Clinical	2 hrs
NUR 3225L	Nursing Care of the Adult I: Clinical Practice	2 hrs
NUR 3445	Nursing Care of Families	3 hrs
NUR 3445L	Nursing Care of Families Clinical	2 hrs
NUR 4227	Nursing Care of the Adult II	4 hrs
NUR 4227L	Nursing Care of the Adult II: Clinical Practice	3 hrs
NUR 4535	Psychiatric Mental Health Nursing	3 hrs
NUR 4535L	Psychiatric Mental Health Clinical	2 hrs
NUR 3225	Nursing Care of the Adult I	3 hrs

5. Restricted Electives

(3 hrs)

NSP/NUR/NGR XXXX Any one upper division nursing elective

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.

Graduation

■ None

8. Electives

■ variable to meet degree requirements

9. Additional Requirements

■ A criminal background check and mandatory Drug Screening are required prior to any clinical course and "on demand" for continuation in the program.

■ Complete all courses in major with at least a "C" (2.0)

■ Maintain a UCF GPA of 2.5 or above

■ Maintain a College of Nursing GPA of 2.5 or above

Progression Requirements:

■ Prior to NUR 3805: RN status or eligible to take NCLEX.

■ Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of "C" (2.0) or better.

■ Prior to NUR 3634 Community Health Nursing: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida Florida College System or State University System institution; 3) complete Nursing prerequisites; and 4) complete foreign language admission requirement.

Other:

■ Selected Courses may be offered at regional campuses.

■ The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. For more information visit <http://www.nursing.ucf.edu>.

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Completion of all courses in major with a grade of "C" (2.0) or better

■ Cumulative overall GPA of 2.5 or above

■ College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF.

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 128



Statewide Articulated A.S. To B.S. Programs

Honors In Major

- Contact Program Coordinator or HIM Advisor

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes

- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes

- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

(30 hrs)

- assuming general education, foreign language and nursing prerequisites are complete

Junior Year - Fall

NUR 3805	Dimensions of Professional Nursing Practice	3 hrs
NUR 3065	Health Assessment	2 hrs
NUR 3065L	Health Assessment Lab	1 hr

Junior Year - Spring

NUR 3165	Nursing Research	3 hrs
NUR 3634	Community Health Nursing	3 hrs

Junior Year - Summer

NUR 4837	Health Care Issues, Policy, and Economics	3 hrs
NUR/NSP XXXX	Nursing Elective	3 hrs

Senior Year - Fall

NUR 4828	Nursing Leadership, Management and Role Transition	3 hrs
NUR/NSP XXXX	Nursing Elective	3 hrs

Senior Year - Spring

NUR 4604L	Practicum in Community and Public Health Nursing for RNs	4 hrs
NUR 4637	Public Health Nursing	2 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: \$25 per term
- Full-Time Student: \$50 per term



COMMON COURSE NUMBERING SYSTEM

Classification of Courses

The University course numbering system is as follows:

0-0999. Subcollegiate level and not counted in meeting degree requirements.

1000-2999. Freshman and sophomore level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and senior.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor's and master's programs) should check with their adviser before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

Florida's Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 25 participating nonpublic institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at <http://scns.fldoe.org>.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in *Exception to the General Rule for Equivalency*.

For example, a freshman composition skills course is offered by 59 different postsecondary institutions. Each institution uses "ENC_101" to identify its freshman composition skills course. The level code is the first

digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "ENC" means "English Composition," the century digit "1" represents "Freshman Composition," the decade digit "0" represents "Freshman Composition Skills," and the unit digit "1" represents "Freshman Composition Skills I."

In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course that has the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a Florida College System institution. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. **NOTE:** Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term system. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Example of Course Identifier

Prefix	Level Code (first digit)	Century Digit (second digit)	Decade Digit (third digit)	Unit Digit (fourth digit)	Lab Code
ENC	1	1	0	1	
English Composition	Lower (Freshman) Level at this institution	Freshman Composition	Freshman Composition Skills	Freshman Composition Skills I	No Laboratory component in this course



Common Course Numbering System

Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually, or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

- A. Courses not offered by the receiving institution.
- B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
- C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations.
- D. College preparatory and vocational preparatory courses.
- E. Graduate courses.
- F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.
- G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (i.e., portfolio, audition, interview, etc.).

Courses at Nonregionally Accredited Institutions

The SCNS makes available on its home page (<http://scns.fldoe.org>) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course's transfer level and transfer effective date. This report is updated monthly.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to the Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2691 or to the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the SCNS office at 850-245-0427 or at <http://scns.fldoe.org>.

ABE	Agricultural and Biological Engineering	CBH	Comparative Psychology and Animal Behavior
ABT	Arabic Culture in Translation or Translation Skills	CCE	Civil Construction Engineering
ABW	Arabic Literature (Writings)	CCJ	Criminology and Criminal Justice
ACG	Accounting: General	CDA	Computer Design/Architecture
ACO	Accounting: Occupational/Technical Variable Paced	CEG	Civil Geotechnical Engineering
ACR	HVACR: Heating/Ventilation/AC/Refrigeration: Tech/Trades	CEN	Computer Software Engineering
ADE	Adult Education	CES	Civil Engineering Structures
ADV	Advertising	CET	Computer Engineering Technology
AEB	Agricultural Economics and Business	CGN	Civil Engineering
AEC	Agricultural Education and Communication	CGS	Computer General Studies
AEE	Agriculture and Extension Education	CHD	Home Economics: Child Development
AER	Automotive Mechanics	CHI	Chinese
AFA	African-American Studies	CHM	Chemistry
AFH	African History	CHR	Chiropractic
AFR	Aerospace Studies	CHS	Chemistry - Specialized
AFS	African Studies	CHT	Chinese Culture in Translation or Translation Skills
AGE	Agricultural Engineering (Disc. - See AOM)	CHW	Chinese Literature (Writings)
AGG	Agriculture - General	CIS	Computer Science and Information Systems
AGR	Agronomy	CJB	College Level Application in Criminal Justice
AHM	Amharic Language	CJC	Corrections
AHT	Amharic Culture in Translation or Translation Skills	CJD	Criminal Justice Development
AHW	Amharic Literature (Writings)	CJE	Law Enforcement
AKA	Akan Language	CJJ	Juvenile Justice
AKT	Akan Culture in Translation or Translation Skills	CJK	Criminal Justice Basic Training (A.A.S or Vocational)
AKW	Akan Literature (Writings)	CJL	Law & Process
ALS	Agriculture and Life Sciences	CJT	Criminal Justice Technologies
AMH	American History	CLA	Classical and Ancient Studies
AML	American Literature	CLP	Clinical Psychology
AMS	American Studies	CLT	Classical Culture in Translation or Translation Skills
AMT	Aviation Maintenance Technology	CMC	Corporate Media Communication
ANG	Anthropology--Graduate	CMM	Creek/Muskogee/Mikasuki
ANS	Animal Science	CNT	Computer Networks
ANT	Anthropology	COA	Home Economics: Consumer Affairs
AOM	Agricultural Operations Management	COE	Cooperative Education
APA	Applied Accounting	COM	Communication
APK	Applied Kinesiology	COP	Computer Programming
ARA	Arabic Language	COS	Cosmetology
ARC	Architecture	COT	Computing Theory
ARD	Architectural Design	CPO	Comparative Politics
ARE	Art Education	CPS	Comparative Policy Studies (Multinational)
ARH	Art History	CPT	Cardiopulmonary Technology - See CVT
ARR	Autobody Repair and Refinishing	CRW	Creative Writing
ART	Art	CSP	Cosmetology - Specialized
ARV	Art, Vocational	CST	Comparative Studies
ASC	Aviation Science: General	CTE	Home Economics: Clothing and Textiles
ASG	Animal Science: General	CTS	Computer Technology and Skills
ASH	Asian History	CVT	Cardiovascular Technology
ASL	American Sign Language	CWR	Civil Water Resources
ASN	Asian Studies	CYP	Community Psychology
AST	Astronomy	CZE	Czech Language
ATE	Animal Science Technology	CZT	Czech Culture in Translation or Translation Skills
ATF	Aviation Technology: Flight	CZW	Czech Literature (Writings)
ATR	Athletic Training	DAA	Dance, Emphasis On Activity
ATT	Aviation Technology: Theory	DAE	Dance Education
AVM	Aviation Management	DAN	Dance
AVS	Avionics	DAS	Dairy Science
AYM	Aymara Language	DCP	Design, Construction and Planning
BAN	Commercial Banking (AIB Courses Only)	DEA	Dental Assisting
BCA	Building Construction Apprenticeships	DEC	Marketing and Distributive Education
BCC	Basic Clinical Clerkships (Required)	DEH	Dental Hygiene
BCH	Biochemistry (Biophysics)	DEM	Demography
BCN	Building Construction	DEN	Dentistry
BCT	Building Construction Trades	DEP	Developmental Psychology
BCV	Building Construction: Vocational	DES	Dental Support
BME	Biomedical Engineering	DIE	Dietetics
BMS	Basic Medical Sciences	DIG	Digital Media
BOT	Botany	DIM	Diesel, Hybrid, and Alternative Fuel Technology
BRC	Banking Related Courses (Not AIB or IFE)	DSC	Domestic Security
BSC	Biological Sciences	DTE	Dental Laboratory Technology
BTE	Business Teacher Education	DUT	Dutch Language
BUL	Business Law	EAB	Experimental Analysis Of Behavior
CAP	Computer Applications	EAP	English As A Second Language for Academic Purposes
CAS	Clinical Audiology and Speech Language Pathology (See SPA)	EAS	Aerospace Engineering
CAT	Catalan Language	EBD	Education: Emotional/Behavioral Disorders
		ECH	Engineering: Chemical

Common Course Numbering System

ECM	Engineering: Computer Math	FAS	Fishery & Aquacultural Science	HUS	Human Services
ECO	Economics	FES	Fire and Emergency Services	ICM	International Construction Management
ECP	Economic Problems & Policy	FFP	Fire Fighting & Protection	ICW	Icelandic Literature
ECS	Economic Systems & Development	FIL	Film	IDC	Interdisciplinary Computing
ECT	Education: Career/Technical	FIN	Finance	IDD	Industrial Design
ECW	Education: Career/Workforce	FLE	Foreign Language Education	IDH	Interdisciplinary Honors
EDA	Educational Administration	FNR	Forestry & Natural Resources	IDN	Indonesian Language
EDE	Education: Elementary	FOL	Foreign Languages	IDS	Interdisciplinary Studies
EDF	Education: Foundations and Policy Studies	FOR	Forestry	IDT	Indonesian Culture in Translation or Translation Skills
EDG	Education: General	FOS	Food Science	IDW	Indonesian Literature (Writings)
EDH	Education: Higher	FOT	Foreign Languages (In Translation)	IEA	Industrial Education Applied (Disc.)
EDM	Education: Middle School	FOW	Foreign Languages, Comparative Literature (Writings)	IHS	Interdisciplinary Health Sciences
EDP	Educational Psychology	FRC	Fruit Crops	IND	Interior Design
EDS	Education Supervision	FRE	French Language	INP	Industrial and Applied Psychology
EEC	Education: Early Childhood	FRT	French Culture in Translation or Translation Skills	INR	International Relations
EED	Education: Emotional Disorders - See EBD	FRW	French Literature (Writings)	INS	International Studies
EEE	Engineering: Electrical and Electronic	FSE	Funeral Services	INT	Sign Language Interpreting
EEL	Engineering: Electrical	FSS	Food Service Systems	IPM	Integrated Pest Management
EER	Electrical/Electronics Repair	FYC	Family, Youth and Community	ISC	Interdisciplinary Sciences
EES	Environmental Engineering Science	GCO	Golf Course Operations	ISM	Information Systems Management
EET	Electronic Engineering Technology	GEA	Geography: Regional Areas	ISS	Interdisciplinary Social Sciences
EEV	Electrical/Electronic: Vocational	GEB	General Business	ITA	Italian Language
EEX	Education: Exceptional Child - Core Competencies	GEO	Geography: Systematic	ITT	Italian Culture in Translation or Translation Skills
EGC	Counselor Education	GER	German	ITW	Italian Literature (Writings)
EGI	Education: Gifted	GET	German Culture in Translation or Translation Skills	JOU	Journalism
EGM	Engineering Science	GEW	German Literature (Writings)	JPN	Japanese
EGN	Engineering: General	GEY	Gerontology	JPT	Japanese Culture in Translation or Translation Skills
EGS	Engineering: Support	GFD	Geophysical Fluid Dynamics	JPW	Japanese Literature (Writings)
EHD	Education: Hard Of Hearing & Deaf	GIS	Geography: Information Science	JST	Jewish/Judaic Studies
EIA	Education: Industrial Arts	GLS	Graduate Liberal Studies	KOR	Korean Language
EIN	Industrial Engineering	GLY	Geology	KOT	Korean Culture in Translation or Translation Skills
EIV	Education: Industrial/Vocational	GMS	Graduate Medical Sciences	KOW	Korean Literature (Writings)
ELD	Education: Specific Learning Disabilities	GMT	Modern Greek Culture in Translation or Translation Skills	LAA	Landscape Architecture
ELR	Prefix Discontinued. All Courses Reassigned	GMW	Modern Greek Literature (Writings)	LAE	Language Arts and English Education
EMA	Materials Engineering	GRA	Graphic Arts	LAH	Latin American History
EMC	Engineering: Mechanical & Chemical	GRE	Classical Greek (Language Study)	LAS	Latin American Studies
EME	Education: Technology and Media	GRG	Graphic Arts - Graduate-Level	LAT	Latin (Language Study)
EML	Engineering: Mechanical	GRK	Modern Greek Language	LAW	Law
EMR	Education: Mental Retardation	GRW	Classical Greek Literature (Writings)	LBS	Labor Studies
EMS	Emergency Medical Services	HAI	Haitian Creole Language	LDE	Landscape Design
ENC	English Composition	HAT	Haitian Culture in Translation or Translation Skills	LDR	Leadership Studies
ENG	English - General	HBR	Modern Hebrew Language	LEI	Leisure
ENL	English Literature	HBT	Modern Hebrew Culture in Translation or Translation Skills	LGL	Lingala Language
ENS	English For Non-Native Speakers (College Lvl) Disc. - See EAP	HCP	Health-Care Providers (Assistants)	LGT	Lingalan Culture in Translation or Translation Skills
ENT	Entrepreneurship	HCW	Haitian Creole Literature (Writings)	LGW	Lingalan Literature (Writings)
ENU	Engineering: Nuclear	HEB	Ancient Hebrew (Disc. - See HBR)	LIN	Linguistics
ENV	Engineering: Environmental	HEC	Home Economics/Community	LIS	Library and Information Studies
ENY	Entomology	HEE	Home Economics Education	LIT	Literature
EOC	Ocean Engineering	HEV	Home Economics - Vocational	LNW	Latin Literature (Writings)
EPD	Education: Physical & Multiple Disabilities	HFT	Hospitality Management	MAA	Mathematics - Analysis
EPH	Education: Physical & Multiple Handicapped - See EPD	HHD	Housing & Home Design	MAC	Mathematics - Calculus and Precalculus
EPI	Educator Preparation Institutes	HIM	Health Information Management	MAD	Mathematics - Discrete
ESC	Earth Science	HIN	Hindi Language	MAE	Mathematics Education
ESE	Education: Secondary	HIS	General History and Historiography	MAG	Mechanized Agriculture (Disc. - See AOM)
ESI	Industrial/Systems Engineering	HIT	Hindi Culture in Translation or Translation Skills	MAN	Management
ESL	College-Prep English For Non-Native Speakers (Disc. - See TSL)	HIW	Hindi Literature (Writings)	MAP	Mathematics Applied
EST	Electronic Speciality Technology (To Be Disc. 8/1/2012)	HLP	Health/Leisure/Physical Education	MAR	Marketing
ETC	Engineering Technology: Civil	HME	Home Economics: Home Management and Equipment	MAS	Mathematics - Algebraic Structures
ETD	Engineering Technology: Drafting	HMV	Hospitality Management, Vocational	MAT	Mathematics
ETE	Education: Technology Education	HMW	Modern Hebrew Literature (Writings)	MCB	Microbiology
ETG	Engineering Technology: General	HNG	Hungarian Language	MCC	Special Topics in Mass Communication
ETI	Engineering Technology: Industrial	HNT	Hungarian Culture in Translation or Translation Skills	MDB	Medicine Basic Sciences
ETM	Engineering Technology: Mechanical	HNW	Hungarian Literature (Writings)	MDC	Medicine Clinical Clerkships
ETN	Electroneurodiagnostics	HOE	Home Economics: General	MDE	Medical Electives
ETP	Engineering Technology: Power	HOS	Horticultural Sciences	MDG	Graduate Medical Sciences
ETS	Engineering Technology: Specialty	HPS	History and Philosophy of Science	MDI	Medical Internships
EUH	European History	HRD	Human Resources Development (Disc. - See FYC)	MDR	Medical Research
EUS	European Studies	HSA	Health Services Administration	MDS	Medical Selectives
EVI	Education: Visually Impaired-Blind	HSC	Health Sciences	MDT	Special Topics, Elected Topics
EVR	Environmental Studies	HUM	Humanities	MDU	Undergraduate Medicine Courses
EVS	Environmental Science	HUN	Human Nutrition	MDW	Midwifery
EVT	Education: Vocational/Technical			MDX	Medical Externships
EXP	Experimental Psychology			MEA	Medical Assisting Technology
FAD	Home Economics: Family Development			MEL	Medical Science Electives
FAM	Fashion Modeling				



Common Course Numbering System

MEM	Medieval and Early Modern Studies	PHC	Public Health Concentration	SMT	Science or Mathematics Teaching
MET	Meteorology	PHH	Philosophy, History Of	SNW	Scandinavian Literature
MGF	Mathematics - General and Finite	PHI	Philosophy	SON	Sonography
MHF	Mathematics - History and Foundations	PHM	Philosophy Of Man and Society	SOP	Social Psychology
MHS	Mental Health Services	PHP	Philosophers and Schools	SOS	Soil Science
MIS	Military Science	PHT	Physical Therapy	SOW	Social Work
MKA	Marketing Applications	PHY	Physics	SPA	Speech Pathology and Audiology
MLS	Medical Laboratory Science	PHZ	Physics (Continued)	SPB	Sports Business
MLT	Medical Laboratory Technology	PKG	Packaging Sciences	SPC	Speech Communication
MMC	Mass Media Communication	PLA	Paralegal/Legal Assistant/Legal Administration	SPM	Sports Management
MNA	Management: Applied	PLP	Plant Pathology	SPN	Spanish Language
MOB	Molecular Biophysics	PLS	Plant Science	SPS	School Psychology
MOM	Motorcycle Mechanics	PLT	Polish Culture in Translation or Translation Skills	SPT	Spanish Culture in Translation or Translation Skills
MRE	Medical Records (Disc. - See HIM)	PLW	Polish Literature	SPW	Spanish Literature (Writings)
MSL	Military Science and Leadership	PMA	Pest Management	SRK	Sanskrit Language
MSS	Massage	PMT	Precision Metals Technology	SRT	Sanskrit Culture in Translation or Translation Skills
MTB	Mathematics - Technical and Business	POL	Polish Language	SRW	Sanskrit Literature (Writings)
MTE	Marine Technology and Nautical Science	POR	Portuguese Language	SSA	Sub-Saharan African Languages
MTG	Mathematics - Topology and Geometry	POS	Political Science	SSE	Social Studies Education
MTS	Medical Transcription Science	POT	Political Theory	SST	Sub-Saharan African Culture in Translation or Translation Skills
MUC	Music: Composition	POW	Portuguese Literature (Writings)	SSW	Sub-Saharan African Literature
MUE	Music Education	PPE	Personality	STA	Statistics
MUG	Music: Conducting	PRN	Practical Nursing	STS	Surgical Technology Studies
MUH	Music: History/Musicology	PRO	Prosthetics/Orthotics	SUR	Surveying & Related Areas
MUL	Music Literature	PRT	Portuguese Culture in Translation or Translation Skills	SVL	Savings and Loan (IFE Courses Only)
MUM	Music: Commercial/Management/Administration	PSB	Psychobiology	SWA	Swahili Language
MUN	Music Ensembles	PSC	Physical Sciences	SWS	Soil and Water Sciences
MUO	Music: Opera/Musical Theatre	PSE	Poultry Science (Disc. - See ANS)	SWT	Swahili Culture in Translation or Translation Skills
MUR	Music: Church	PSG	Polysomnography	SWW	Swahili Literature (Writings)
MUS	Music	PSY	Psychology	SYA	Sociological Analysis
MUT	Music: Theory	PTA	Precision Technology Apprenticeships	SYD	Sociology Of Demography/Area Studies/Sociological Minorities
MUY	Music: Therapy	PTN	Pharmacy Technician	SYG	Sociology, General
MVB	Applied Music: Brasses	PUP	Public Policy	SYO	Social Organization
MVH	Historical Instruments	PUR	Public Relations	SYP	Social Processes
MVJ	Applied Music: Jazz	QMB	Quantitative Methods in Business	TAR	Technical Architecture
MVK	Applied Music: Keyboard	RAT	Radiation Therapy	TAX	Taxation
MVO	Applied Music: Other	RCS	Rehabilitation Counseling Services	TCN	Telecommunications
MVP	Applied Music: Percussion	REA	Reading	TDR	Technical Drafting (PSAV Level)
MVS	Applied Music: Strings	RED	Reading Education	THE	Theatre Studies and General Resources
MVV	Applied Music: Voice	REE	Real Estate	TPA	Theatre Production and Administration
MVW	Applied Music: Woodwinds	REL	Religion	TPP	Theatre Performance and Performance Training
NEM	Nematology	RET	Respiratory Care	TRA	Transportation and Logistics
NGR	Nursing, Graduate	RHT	Radiation Health/Radiation Protection Technology	TSL	Teaching English As A Second Language
NMT	Nuclear Medicine Technology	RMI	Risk Management & Insurance	TTE	Transportation Engineering
NSC	Naval Science	ROT	Reactor Operator Technology	TUR	Turkish Language
NSP	Nursing: Special	RSD	Rehabilitation Science Doctorate	TUT	Turkish Culture in Translation or Translation Skills
NUR	Nursing, Generic Undergraduate	RTE	Radiologic Technology	TUW	Turkish Literature (Writings)
OCA	Office Computer Applications	RTT	Radio/Television Technology	URP	Urban and Regional Planning
OCB	Biological Oceanography	RTV	Radio-Television	URS	Urban and Regional Studies
OCB	Chemical Oceanography	RUS	Russian Language	VAR	Variable-Paced Architecture
OCE	General Oceanography	RUT	Russian Culture in Translation or Translation Skills	VEC	Vegetable Crops
OCG	Geological Oceanography	RUW	Russian Literature (Writings)	VEM	Veterinary Medicine Professional
OCP	Physical Oceanography	SAL	South Asian Languages	VIC	Visual Communication
OFT	Occupational Office Technology (Disc.)	SBM	Small Business Mgmt: Occupational/Technical Variable Paced	VME	Veterinary Medicine Graduate
OPT	Ophthalmic Technology/Vision Care	SCA	Scandinavian Languages	VPI	Vocational Preparatory Instruction
ORH	Ornamental Horticulture	SCC	Security	VTN	Vietnamese Language
ORI	Oral Interpretation	SCE	Science Education	VTT	Vietnamese Culture in Translation or Translation Skills
ORV	Ornamental Horticulture (Variable Paced)	SCT	Scandinavian Culture in Translation or Translation Skills	VTW	Vietnamese Literature (Writings)
OSE	Optical Science and Engineering	SCW	Serbo-Croatian Literature (Writings)	WCL	Ward Clerk
OST	Office Systems Technology	SCY	Security	WDS	Weed Science
OTA	Office Technology Applications	SDS	Student Development Services	WIS	Wildlife Science
OTH	Occupational Therapy	SEC	Serbo-Croatian Language	WOH	World History
PAD	Public Administration	SED	Speech Education	WOL	Wolof Language
PAF	Public Affairs	SER	Small Engine Mechanics	WOT	Wolof Culture in Translation or Translation Skills
PAS	Physician Assistant	SHO	Shona Language	WOW	Wolof Literature (Writings)
PAX	Peace Studies	SHT	Shona Culture in Translation or Translation Skills	WST	Women's Studies
PAZ	Parks and Zoos	SLA	Second Language Acquisition/Instructional Technology	XHO	Xhosa Language
PCB	Process Biology (Cell/Molecular/Ecology/Genetics/Physiology)	SLL	Slavic Languages	XHT	Xhosa Culture in Translation or Translation Skills
PCO	Psychology For Counseling	SLS	Student Life Skills (Learning)	XHW	Xhosa Literature (Writings)
PEL	Phys. Edu. Acts - (Gen.)-Object Centrd, Land	SLT	Slavic Culture in Translation or Translation Skills	YOR	Yoruba Language
PEM	Phys. Edu. Acts. (Gen.)-Perfomr. Centrd., Land (Revised)	SLW	Slavic Literature (Writings)	YOT	Yoruba Culture in Translation or Translation Skills
PEN	Physical Edu. Activities (Gen.)-Water, Snow, Ice				
PEO	Phys. Edu. Acts. (Profnl.)-Object Centrd., Land				
PEP	Phys. Edu. Acts. (Profnl.)-Perfmr. Centrd., Land				
PEQ	Phys. Edu. Acts. (Profnl.)-Water, Snow, Ice				
PET	Physical Education Theory				
PGY	Photography				
PHA	Pharmacy				



Common Course Numbering System

YRW Yoruba Literature (Writings)
ZOO Zoology

Courses Numbered 0-999

Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses

In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

Special Course	Undergraduate	Graduate ¹
Directed Independent Studies	1906, 2905, 3905, 4906	5907
Directed Independent Research	4912	5917
Special Undergraduate Research	IDS 3913, 4914	
Special Topics/Seminars	1931, 2930, 3930, 4932,	5937
*Internship, Practicums, Clinical Prac	3940, 4941	5944
Cooperative Education ³	1949, 2949, 3949, 4949	5949
Honors Undergraduate Thesis	3970H, 4970H	
Honors Directed Reading ¹	4903H	
Honors Directed Reading ²	4904H	
Study Abroad	4955	5957

*These courses may be assigned variable credit. Some may be repeated upon approval.

¹The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

²Enrollment is limited to those students who are fully admitted to the Graduate Program.

³Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.

CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.

CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example:

ART 2500C CAH-SVAD 3(2,4)

ART 2500C is offered by the College of Arts and Humanities (CAH), in the School of Visual Arts & Design (SVAD), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

College/School/Department Indicator

Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = Medicine, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HPA = Health and Public Affairs, OPT = Optics, RCHM = Rosen College of Hospitality Management, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

College/School	Department	Abbreviation
BA	Accounting	ACCT
BA	Business	BUS
BA	Economics	ECON
BA	Finance	FIN
BA	Management	MAN
BA	Management Information Systems	MIS
BA	Marketing	MAR
BHC	Honors	HON
CAH	African American Studies	AAS
CAH	Arts & Humanities	CAH
CAH	English	ENG
CAH	Film	FILM
CAH	Fla Interactive Entertainment Academy	FIEA
CAH	History	HIST
CAH	Judaic Studies	JUD
CAH	Latin American Studies	LAS
CAH	Modern Languages	LANG
CAH	Music	MUSIC
CAH	Philosophy	PHIL
CAH	School of Visual Arts & Design	SVAD
CAH	Theatre	THEA
CAH	Women's Studies	WOM
CAH	Writing & Rhetoric	WRITE
COM	Medicine	MED
COM	Molecular Biology & Microbiology	M&M
CON	Nursing	NURS
COS	Anthropology	ANTHRO
COS	Biology	BIOL
COS	Chemistry	CHEM
COS	Communication	COMM
COS	Mathematics	MATH
COS	Physics	PHYS
COS	Political Science	POLS
COS	Psychology	PSYCH
COS	Sciences	COS
COS	Sociology	SOC
COS	Statistics	STAT
ECS	Air Force ROTC-Aerospace	AFROTC
ECS	Civil, Env & Const Eng	CECE
ECS	Computer Science	CS
ECS	Electrical & Computer Engineering	ECE
ECS	Engineering	ECS
ECS	Industrial Eng & Management Systems	IEMS
ECS	Materials Sci & Engineering	MSE
ECS	Mechanical & Aerospace Engineering	MECH/AERO
ECS	Military Science-Army ROTC	AROTC
ED	Child, Family & Comm Sciences	CFCS
ED	Education	EDU
ED	Educational & Human Sciences	E&HS
ED	Teaching, Learning & Leadership	TL&L
HPA	Communication Sciences & Disorders	COM SC&DIS
HPA	Criminal Justice	CJ
HPA	Health & Public Affairs	HPA
HPA	Health Management & Informatics	HMI
HPA	Health Professions	HP
HPA	Legal Studies	LS
HPA	Public Administration	PUB
HPA	Public Affairs	PUB AFF
HPA	Social Work	SOWK
OPT	Optics	OPT
RCHM	Foodservice & Lodging Mgmt	FOOD&LODG
RCHM	Hospitality Management	RCHM
RCHM	Hospitality Services	HSP SERV
RCHM	Tourism, Events & Attractions	TEA
UGST	Undergrad/Interdisc Studies	INTERDISC



UCF Courses and Descriptions

Finding a Course in this List: The UCF courses in this section are listed alphabetically by prefix. Consult the "Common Course Numbering System" section of the *Undergraduate Catalog* for additional information.

Availability of Courses: The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at <https://my.ucf.edu> for those courses offered each semester/term. At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

ACG 2021 BA-ACCT 3(3,0)
Principles of Financial Accounting: PR: Sophomore standing and MAC 1105C with a "C" (2.0) or better. Nature of accounting, financial statements, the accounting cycle, assets, current liabilities, long-term debt, and owner's equity; accounting for proprietorships and corporations. *Fall, Spring.*

ACG 2021H BA-ACCT 3(3,0)
Honors Principles of Financial Accounting: PR: MAC 1105C with a "C" (2.0) or better, and consent of Honors. Same as ACG 2021 with honors level content. *Occasional.*

ACG 2071 BA-ACCT 3(3,0)
Principles of Managerial Accounting: PR: ACG 2021 and MAC 1105C, each with a "C" (2.0) or better. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. *Fall, Spring.*

ACG 3082 BA-ACCT 3(3,0)
Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. *Occasional.*

ACG 3131 BA-ACCT 3(3,0)
Intermediate Financial Accounting I: PR: Junior standing, Accounting major or minor, and ACG 2021 and ACG 2071 with a grade of "C" (2.0) or better. Technical knowledge about accounting measurement and disclosure, as well as how financial statements are analyzed and interpreted by external users. *Fall, Spring.*

ACG 3141 BA-ACCT 3(3,0)
Intermediate Financial Accounting II: PR: Accounting major or minor, ACG 3131 with a grade of "C" (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. *Fall, Spring.*

ACG 3361 BA-ACCT 3(3,0)
Cost Accounting I: PR: Junior standing, Accounting major or minor, and MAC 1105C, ECO 2013, ECO 2023, ACG 2071, each with a grade of "C" (2.0) or better. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. *Fall, Spring.*

ACG 3501 BA-ACCT 3(3,0)
Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of "C" (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit organizations. *Fall, Spring.*

ACG 4252 BA-ACCT 3(3,0)
International Financial and Managerial Accounting: PR: Accounting major or minor, ACG 2021, ACG 2071, each with a "C" (2.0) or better. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. *Occasional.*

ACG 4284 BA-ACCT 3(3,0)
Financial Reporting for Consolidated Entities: PR: ACG 3141 with a "C" (2.0) or better. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. *Occasional.*

ACG 4401C BA-ACCT 3(3,1)
Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and CGS 2100C, each with a grade of "C" (2.0) or better. Manual and computer-based accounting information systems. *Fall, Spring.*

ACG 4651 BA-ACCT 3(3,0)
Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C, each with a grade of "C" (2.0) or better. The standards, practices, and procedures followed in the audit function. *Fall, Spring.*

ACG 4671 BA-ACCT 3(3,0)
Internal Auditing: PR: Accounting major or minor, ACG 3131 or ACG 3361, with a "C" (2.0) or better. Theory and practice of internal auditing and the use of internal auditing in organizational control. *Fall, Spring.*

ACG 4803 BA-ACCT 3(3,0)
Advanced Issues in Financial Accounting: PR: Accounting major and "C" (2.0) or better in ACG 3141, ACG 3361, and ACG 3501. Advanced issues in financial accounting, including consolidations and IFRS. *Fall, Spring.*

ADE 4382 ED-E&HS 3(3,0)
Teaching Adult Learners in Technical Programs: PR: ECT 3365 or C.I. Planning for and teaching of adult learners in formal & informal technical settings. *Fall.*

ADV 3008 COS-COMM 3(3,0)
Principles of Advertising: PR: SPC 1608, or SPC 1603C, or COM 1000. Overview of the field of advertising; purposes, techniques, the role of agencies, advertisers and the media. *Fall, Spring.*

ADV 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. *Occasional.*

ADV 4101 COS-COMM 3(3,0)
Advertising Copywriting: PR: Ad-PR majors only and ADV 3008 and PUR 4000. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various ad media. *Fall, Spring.*

ADV 4103 COS-COMM 3(3,0)
Radio-Television Advertising: PR: R-TV or Ad-PR Majors or Mass Comm. minors only and ADV 3008 or C.I. Radio and television advertising sales, including interpretation of rate structures, program audiences, and creative approaches to sponsor needs. *Fall, Spring.*

ADV 4300 COS-COMM 3(3,0)
Advertising Media Planning: PR: ADV 3008 and Ad-PR major. Media planning and buying, including basic media terms, calculations, and resources. *Fall.*

AFA 2300 CAH-AAS 3(3,0)
African American Music: Comprehensive look at music written and made popular by African Americans. *Occasional.*

AFA 3006 CAH-AAS 3(3,0)
The African Diaspora: Theories and Movements: PR: ENC 1102. Provides a broad understanding of the cultural, social, and political experiences that define the African Diaspora. *Fall.*

AFA 3102 CAH-AAS 3(3,0)
Introduction to Africana Studies: A Multidisciplinary Approach: PR: ENC 1102. Key issues and methodologies in Africana Studies featuring presentations by representative faculty from various disciplines. *Fall, Spring.*

AFA 3104 CAH-AAS 3(3,0)
The Black Intellectual Experience: PR: ENC 1102. Interdisciplinary examination of major texts, theories, practices and philosophic foundations in Black intellectual and cultural history. *Fall, Spring.*

AFA 3371 CAH-AAS 3(3,0)
Evolution of Hip Hop: PR: ENC 1102 or C.I. An historical analysis of Hip Hop from its African roots to the present with emphasis on the socio-political implications of this phenomenon. *Occasional.*

AFA 3420 CAH-AAS 3(3,0)
Malcolm X, Black Nationalism, and Internationalism: PR: ENC 1102 or C.I. Comprehensive analysis of the social/political thought of Malcolm X and its impact on African political struggles. *Fall.*

AFA 3955 CAH-AAS 6(6,0)
Study Abroad in Eastern Caribbean: PR: ENC 1102 or C.I. Interdisciplinary study abroad program focuses on the arts and humanities of African diasporic cultures in the Eastern Caribbean. *Occasional.*

AFA 4105 CAH-AAS 3(3,0)
Documenting Africana Heritage and Life: PR: ENC 1102 or C.I. Principles and research in the process of documenting African heritage and life. *Occasional.*

AFA 4242 CAH-AAS 3(3,0)
Contemporary Issues in Africana Studies: PR: ENC 1102 or C.I. Contemporary topics, emerging crises, shifting trends, and developments in the African Diaspora. *Spring.*

AFA 5930 CAH-AAS 3(3,0)
Topics in African American Studies: PR: Graduate standing or senior standing or C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on 20th century American society. *Occasional.*

AFH 3100 CAH-HIST 3(3,0)
African History to 1870: PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. *Occasional.*

AFH 3200 CAH-HIST 3(3,0)
African History Since 1870: PR: C.I. Sub-Saharan African history from 1870 to the present. *Occasional.*

AFH 5259 CAH-HIST 3(3,0)
Colloquium in African History: PR: Graduate standing or C.I. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times. *Odd Fall.*

AFH 5806 CAH-HIST 3(3,0)
The Historiography of Slavery in Africa: PR: Graduate standing or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. *Occasional.*

AFR 1101C ECS-AFROTC 1(1,2)
The Air Force Today I: History, mission, organization, and doctrine of the United States Air Force and a study of U.S. Strategic Offensive and Defensive Forces. Hands on training. *Fall.*

UCF Courses and Descriptions

AFR 1111C ECS-AFROTC 1(1,2)
The Air Force Today II: A brief review of the Army, Navy, and Marine forces. An introduction to special operations and counterinsurgency. *Spring.*

AFR 2130C ECS-AFROTC 1(1,2)
The Development of Air Power I: A study of the development of air power from experiments by 18th-century balloonists to the achievement of combat air power capabilities during World War II. Hands on training. *Fall.*

AFR 2131C ECS-AFROTC 1(1,2)
The Development of Air Power II: A study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. *Spring.*

AFR 3220C ECS-AFROTC 3(3,2)
Air Force Leadership and Management I: An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands on training. *Fall.*

AFR 3230C ECS-AFROTC 3(3,2)
Air Force Evaluation and Management II: PR: AFR 3220C or C.I. A concluding study of Air Force management fundamentals, including performance evaluation skills. *Spring.*

AFR 4201C ECS-AFROTC 3(3,2)
National Security Affairs and Prep for Active Duty I: PR: AFR 3220C. Examination of the military and its role in American society. A study of the framework and formation of defense strategy. Hands on training. *Fall.*

AFR 4210C ECS-AFROTC 3(3,2)
National Security Affairs and Prep for Active Duty II: An examination of defense implementation and its impact on the decision-making process. A study of the military justice system and its protection of individual rights. *Spring.*

AMH 2010 CAH-HIST 3(3,0)
U.S. History: 1492-1877: Survey of U.S. History from 1492-1877. *Fall, Spring.*

AMH 2010H CAH-HIST 3(3,0)
Honors U.S. History: 1492-1877: PR: Consent of Honors. Survey of U.S. History from 1492-1877. *Fall, Spring.*

AMH 2020 CAH-HIST 3(3,0)
U.S. History: 1877-Present: Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. *Fall, Spring.*

AMH 2020H CAH-HIST 3(3,0)
Honors U.S. History: 1877-Present: PR: Permission of Honors and AMH 2010 or C.I. Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. Honors-level content. *Fall, Spring.*

AMH 3370 CAH-HIST 3(3,0)
American Economic History: PR: AMH 2010 and AMH 2020, or C.I. An introduction to the economic development of the U.S., with emphasis on agriculture, labor, industrialization, transportation, and banking. *Occasional.*

AMH 3402 CAH-HIST 3(3,0)
History of the South to 1865: PR: AMH 2010 or AMH 2020 or C.I. Development of the southern colonies, beginning sectionalism, the cotton economy, and slavery, Calhoun's constitutional theories, secession, Civil War and its aftermath. *Occasional.*

AMH 3403 CAH-HIST 3(3,0)
History of the South Since 1865: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, the "solid South" and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. *Occasional.*

AMH 3422 CAH-HIST 3(3,0)
Frontier Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Florida from U.S. territory until post-war industrialization. *Occasional.*

AMH 3425 CAH-HIST 3(3,0)
Sunbelt Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Florida from post-war industrialization to the present. *Occasional.*

AMH 3441 CAH-HIST 3(3,0)
History of the Frontier: Eastern America: PR: AMH 2010 and AMH 2020 or C.I. The progression of the westward movement from the colonial settlements to the Mississippi, considered as an interpretive approach to American history. *Occasional.*

AMH 3442 CAH-HIST 3(3,0)
History of the Frontier: Western America: PR: AMH 2010 and AMH 2020, or C.I. The development of the trans-Mississippi West and its impact upon American history. *Occasional.*

AMH 3541 CAH-HIST 3(3,0)
U. S. Military History To 1900: PR: AMH 2010 and AMH 2020. U.S. military history from the colonial period to 1900 focusing on the creation of American military institutions, conduct of war, and influence on society. *Occasional.*

AMH 3547 CAH-HIST 3(3,0)
U.S. Military History Since 1900: PR: AMH 2010 and AMH 2020, or C.I. U. S. military history since 1900 emphasizing civil-military relations, warfare, and military developments. *Occasional.*

AMH 3558 CAH-HIST 3(3,0)
History of American Law: PR: AMH 2010 and AMH 2020, or EUH 2000 and EUH 2001. The social, political, and economic significance of the law as a historic process in America. *Occasional.*

AMH 3561 CAH-HIST 3(3,0)
Women in American History I: PR: AMH 2010, AMH 2020. Examines women in indigenous, colonial, African-American slave and free societies, Republican Motherhood, impact of industrialization on women's roles, and emergence of women's rights movement. *Occasional.*

AMH 3562 CAH-HIST 3(3,0)
Women in American History II: PR: AMH 2010, AMH 2020 or C.I. Examines industrialization, entry of women into higher education and professions, winning of suffrage, changing profile of female wage earner, and rise of modern feminist movement. *Occasional.*

AMH 3571 CAH-HIST 3(3,0)
Black American History I: PR: AMH 2010, AMH 2020 or C.I. History of Black Americans from Africa, to slavery, to freedom and its limits in pre-World War I America. *Occasional.*

AMH 3572 CAH-HIST 3(3,0)
Black American History II: PR: AMH 2010, AMH 2020 or C.I. A history of Black America in the Twentieth Century and the continuing struggle for equality in America. *Occasional.*

AMH 3580 CAH-HIST 3(3,0)
North American Indians: PR: AMH 2010 and AMH 2020. History of North American Indians and their relations with the United States from the 18th century to the present. *Occasional.*

AMH 3586 CAH-HIST 3(3,0)
History of the Hispanic Minorities in the U.S.: Course begins with 16th century through the modern period. Special emphasis on Chicanos, Puerto Ricans, and Cubans. *Occasional.*

AMH 3610 CAH-HIST 3(3,0)
Sport in America to 1945: PR: AMH 2010, AMH 2020 or C.I. History of sport emphasizing development of professional and collegiate sport to 1945. *Occasional.*

AMH 3611 CAH-HIST 3(3,0)
Sport in America Since 1945: PR: AMH 2010, AMH 2020 or C.I. American sport emphasizing the development of professional and collegiate sport since 1945. *Odd Spring.*

AMH 3800 CAH-HIST 3(3,0)
Canadian History: Canada since Colonial times and the present, but with emphasis on the period since the British North America Act, 1867. *Occasional.*

AMH 4110 CAH-HIST 3(3,0)
Colonial America, 1607-1763: PR: AMH 2010 and AMH 2020, or C.I. The voyages of discovery, the origins of the thirteen colonies, and their political, economic, social, and religious life in the 17th and 18th centuries. *Occasional.*

AMH 4112 CAH-HIST 3(3,0)
The Atlantic World: PR: C.I. The impact and transforming effect of the Atlantic System on the peoples of Western Europe, Western Africa, the Caribbean and the Americas. *Occasional.*

AMH 4130 CAH-HIST 3(3,0)
The Age of the American Revolution, 1763-1789: PR: AMH 2010 and AMH 2020, or C.I. The American Revolution - its origins, course, and impact upon American society - the Articles of Confederation, the Philadelphia Convention and its work. *Occasional.*

AMH 4140 CAH-HIST 3(3,0)
Jeffersonian America: PR: AMH 2010 and AMH 2020, or C.I. The Confederation era, the Federalists, Jeffersonian Democracy, and the War of 1812. *Occasional.*

AMH 4160 CAH-HIST 3(3,0)
Jacksonian America: PR: AMH 2010 and AMH 2020, or C.I. The risk of American nationalism, Jacksonian Democracy, the Mexican War, and sectional conflict. *Occasional.*

AMH 4170 CAH-HIST 3(3,0)
Civil War and Reconstruction: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, and impact of industrialism. *Occasional.*

AMH 4201 CAH-HIST 3(3,0)
The Gilded Age and Progressivism: PR: AMH 2010 and AMH 2020, or C.I. The Rise of Industrialized and Urbanized America, The emergence of the New South and the New West, the Populist Movement, overseas expansion, Progressivism. *Occasional.*

AMH 4231 CAH-HIST 3(3,0)
United States History: 1914-1939: PR: AMH 2010 and AMH 2020, or C.I. The progressive reforms of Woodrow Wilson, World War I, post-war prosperity, the Depression, the New Deal, and the coming of World War II. *Occasional.*

AMH 4270 CAH-HIST 3(3,0)
United States History: 1939-1960: PR: AMH 2010 and AMH 2020, or C.I. World War II, the Cold War and America in the fifties. *Occasional.*

AMH 4273 CAH-HIST 3(3,0)
U. S. History Since 1960: PR: AMH 2010 and AMH 2020 or C.I. Civil rights and Women's Liberation Movements, Vietnam War, Watergate, the decline of liberalism and the rise of conservatism, end of the Cold War. *Occasional.*

AMH 4311 CAH-HIST 3(3,0)
American Culture I: PR: AMH 2010 and AMH 2020, or C.I. The European Backgrounds: Puritanism; Enlightenment; the Great Awakening; Revolutionary Thought: Romanticism; the Southern Mind and the Yankee Response; Popular Culture and the rise of recreation. *Occasional.*

AMH 4313 CAH-HIST 3(3,0)
American Culture II: PR: AMH 2010 and AMH 2020, or C.I. The Darwinian Revolution; revolt of the intellectuals; the media explosion; mass entertainment in mass culture; the loss of community, the nuclear age, and presentism. *Occasional.*

AMH 4375 CAH-HIST 3(3,0)
Technology and US Culture: PR: AMH 2010 or AMH 2020. Examines the history of technology in the United States, its impact on society, and society's impact on technological development. *Even Spring.*

AMH 4376 CAH-HIST 3(3,0)
U.S. Space History: PR: AMH 2010 and AMH 2020, or C.I. Post World War II US rocketry and space travel with focus on the role of Cape Canaveral/Kennedy Space Center. *Occasional.*



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AMH 4510 CAH-HIST 3(3,0)
Rise of the United States to World Power, 1776-1914: PR: AMH 2010 and AMH 2020, or C.I. The evolution of basic American policies. American expansion. America's major wars, and the emergence of America as a world power. *Occasional.*

AMH 4512 CAH-HIST 3(3,0)
US Diplomatic History: 1914-1945: PR: AMH 2010 and AMH 2020, or C.I. U.S. diplomacy from World War I through World War II. *Occasional.*

AMH 4513 CAH-HIST 3(3,0)
United States as a Great Power: 1945-Present: PR: AMH 2020 or C.I. U.S. diplomacy from World War II to the present. *Occasional.*

AMH 4573 CAH-HIST 3(3,0)
Black Militancy in the 20th Century: PR: AMH 2010 and AMH 2020 or C.I. The rise and development of black militant organizations and how these groups have been influenced by hostile foreign entities. *Occasional.*

AMH 4644 CAH-HIST 3(3,0)
Viewing American History in the Twentieth Century: PR: AMH 2010 and AMH 2020 or C.I. Examination of television, film, comics, and other popular media as primary sources in the study of U.S. History in the 20th Century. *Spring.*

AMH 4650 CAH-HIST 3(3,0)
History of U.S. Aviation: PR: AMH 2010 or AMH 2020. Aviation development in the United States and its role in American culture. *Even Fall.*

AMH 4680 CAH-HIST 3(3,0)
Women in American Science: PR: AMH 2010 or AMH 2020. Examines how American society uses Western ideas about sex and gender to define women's roles in science and their influence on their fields. *Even Fall.*

AMH 5116 CAH-HIST 3(3,0)
Colloquium in U.S. Colonial History: PR: Graduate standing or senior standing or C.I. Reading and discussion of the literature on selected topics in colonial American history. May be used in the degree program a maximum of 4 times. *Occasional.*

AMH 5137 CAH-HIST 3(3,0)
Colloquium in U.S. Revolutionary Period: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics in the Revolutionary Era, 1763-1789. *Occasional.*

AMH 5149 CAH-HIST 3(3,0)
Colloquium in Early U.S. History, 1789-1815: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period. *Occasional.*

AMH 5169 CAH-HIST 3(3,0)
Colloquium in Age of Jackson: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. *Occasional.*

AMH 5176 CAH-HIST 3(3,0)
Colloquium in Civil War and Reconstruction: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Civil War and Reconstruction era. *Occasional.*

AMH 5219 CAH-HIST 3(3,0)
Colloquium in Late 19th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of late 19th century U.S. *Occasional.*

AMH 5296 CAH-HIST 3(3,0)
Colloquium in 20th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion on selected topics in 20th-century U.S. May be used in the degree program a maximum of 4 times. *Occasional.*

AMH 5378 CAH-HIST 3(3,0)
History of Technology: PR: Graduate standing or C.I. Introduces the historiography of technology's role in historical events, and society's role in shaping technology. *Occasional.*

AMH 5391 CAH-HIST 3(3,0)
Colloquium in U.S. Cultural History: PR: Graduate standing or senior standing or C.I. Students will read and discuss a common or diverse body of the significant literature in the field. *Occasional.*

AMH 5406 CAH-HIST 3(3,0)
Colloquium in American South: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Southern history from colonial origins to the present. *Occasional.*

AMH 5446 CAH-HIST 3(3,0)
Colloquium in U.S. Frontier: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. *Occasional.*

AMH 5515 CAH-HIST 3(3,0)
Colloquium in U.S. Diplomatic History: PR: Graduate standing or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit only when course content is different. *Occasional.*

AMH 5566 CAH-HIST 3(3,0)
Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Women in American History from colonial time to the present. *Occasional.*

AMH 5925 CAH-HIST 3(3,0)
Colloquium in US Military History: PR: Graduate standing or C.I. Readings in selected topics in United States military history. May be used in the degree program a maximum of 3 times only when course content is different. *Occasional.*

AMH 5937 CAH-HIST 3(3,0)
AP American History: PR: Graduate standing or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S. *Occasional.*

AML 3031 CAH-ENG 3(3,0)
American Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from beginning through Whitman. *Fall, Spring.*

AML 3041 CAH-ENG 3(3,0)
American Literature II: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from Twain to present. *Fall, Spring.*

AML 3283 CAH-ENG 3(3,0)
Contemporary American Women's Fiction: PR: Grade of C (2.0) or better required in ENC 1102. Examines how novels and short stories by contemporary U.S. women define identity from diverse woman-centered and feminist perspectives. *Occasional.*

AML 3286 CAH-ENG 3(3,0)
Early American Women's Words: PR: ENC 1102. Women's writings in the Americas from the 17th century through the mid-19th century. *Occasional.*

AML 3613 CAH-ENG 3(3,0)
Narratives of Slavery: PR: Grade of C (2.0) or better required in ENC 1102. Literary representations of New World slavery in the past and the present. *Occasional.*

AML 3614 CAH-ENG 3(3,0)
Topics in African-American Literature: PR: Grade of C (2.0) or better required in ENC 1102. Literature by and about African-American culture in the United States. May be repeated for credit. *Occasional.*

AML 3615 CAH-ENG 3(3,0)
Harlem, Haiti, and Havana: PR: Grade of C (2.0) or better required in ENC 1102. A comparative approach to African American and Caribbean writers, focusing on literary styles, historical contexts, and themes such as nationalism, popular music, and folk religion. *Occasional.*

AML 3640 CAH-ENG 3(3,0)
Native American Literature: PR: Grade of C (2.0) or better required in ENC 1101 and ENC 1102. Native American genres, including traditional oral narratives, ritual and contemporary poetry, autobiography, and the novel. *Occasional.*

AML 3643 CAH-ENG 3(3,0)
Contemporary Native American Prose and Poetry: PR: ENC 1101, ENC 1102. Native American prose fiction and poetry since Momaday's *House Made of Dawn* (1968) and American Indian prose and poetry since that time. *Occasional.*

AML 3682 CAH-ENG 3(3,0)
Ethnic Literature in America: PR: ENC 1102. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. *Occasional.*

AML 3682H CAH-ENG 3(3,0)
Honors Ethnic Literature in America: PR: Permission of Honors and ENC 1102H or equivalent credit. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Honors content. *Occasional.*

AML 4101 CAH-ENG 3(3,0)
American Novel: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Analysis of major American novelists. *Occasional.*

AML 4153 CAH-ENG 3(3,0)
American Poetry at Mid-Century: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Study of major figures from the "Middle Generation": Berryman, Bishop, Jarrell, Lowell, Plath, Rich, Roethke, and others. *Occasional.*

AML 4155 CAH-ENG 3(3,0)
Modern American Poetry: PR: Grade of C (2.0) or better required in ENG 3014. Major American poets of the modern (1900-1950) period. *Occasional.*

AML 4261 CAH-ENG 3(3,0)
Literature of the South: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014 or C.I. Development of Southern literature from its beginnings in the "Old South" through the post-Civil War and the Southern-Renaissance to the present. Emphasizes reading from Poe, Ransom, Tate, Faulkner, Porter, Warren, O'Connor, Percy, and Styron. *Occasional.*

AML 4265 CAH-ENG 3(3,0)
Florida Writers: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. This course will examine writers who have lived in and written about Florida, such as Hemingway, Rawlings, Hurston, and Stevens. *Occasional.*

AML 4300 CAH-ENG 3(3,0)
Major American Authors: PR: Grade of C (2.0) or better required in ENG 3014. A comprehensive study of selected major American literary figures. May be repeated for credit only when course content is different. *Fall, Spring.*

AML 4304 CAH-ENG 3(3,0)
Whitman and His Heirs: PR: Grade of C (2.0) or better required in ENG 3014. The work of American poet, Walt Whitman (1819-1892), and his influence on modern American poetry. *Occasional.*

AML 4321 CAH-ENG 3(3,0)
Modern American Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern American literature. *Occasional.*

AML 4630 CAH-ENG 3(3,0)
Latino/Latina Literature: PR: Grade of C (2.0) or better required in ENG 3014. U.S. literature by writers from Latino and Latina backgrounds. *Occasional.*

AML 5076 CAH-ENG 3(3,0)
American Literature: Colonial to Contemporary: PR: Graduate status or senior standing or C.I. Intended for graduate students and future teachers of American Literature, this course surveys texts produced in America from the colonial period to the present. *Occasional.*



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AML 5156 CAH-ENG 3(3,0)
Modern American Poetry: PR: Graduate status or senior standing or C.I. Study of trends, modes, major figures (Eliot, Pound, H.D. Lawrence, Stevens, Hart, Crane, Moore, W.C. Williams, etc.) within the Modernist movement in American poetry. *Occasional.*

ANG 5100 COS-ANTHRO 3(3,0)
Archeological Sciences: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Field and laboratory methods routinely used in archeology and forensic archeology, including instrumentation. *Occasional.*

ANG 5166 COS-ANTHRO 3(3,0)
Problems in Maya Studies: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. In-depth study of current methodological, theoretical, and/or topical problems in Maya Studies. *Occasional.*

ANG 5167 COS-ANTHRO 3(3,0)
Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. *Occasional.*

ANG 5191 COS-ANTHRO 3(3,0)
Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-ancient and modern. *Occasional.*

ANG 5228 COS-ANTHRO 3(3,0)
Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. *Odd Spring.*

ANG 5272 COS-ANTHRO 3(3,0)
Culture, Power and Development: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Origins and contemporary ramifications of underdevelopment and disempowerment in the world system from an anthropological perspective. *Occasional.*

ANG 5301 COS-ANTHRO 3(3,0)
Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. *Occasional.*

ANG 5307 COS-ANTHRO 3(3,0)
Peoples and Cultures of Latin America: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonialism, traditional peoples, social change, and modernization. *Occasional.*

ANG 5341 COS-ANTHRO 3(3,0)
Caribbean Cultures: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Historical and contemporary overview of the societies and cultures of the Caribbean region, including effects of colonization by the Dutch, Spanish, British, and French. *Occasional.*

ANG 5486 COS-ANTHRO 3(3,0)
Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessment of reliability, and approaches for small samples. *Even Fall.*

ANG 5531 COS-ANTHRO 3(3,0)
Nutritional Anthropology: PR: One course in Social Sciences (min 2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduate status or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. *Occasional.*

ANG 5620 COS-ANTHRO 3(3,0)
Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on cross cultural issues that affect cultural competency. *Occasional.*

ANG 5622 COS-ANTHRO 3(3,0)
Language, Culture and Pedagogy: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Linguistic and cultural issues in the learning needs of students from culturally diverse populations. *Occasional.*

ANG 5738 COS-ANTHRO 3(3,0)
Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological approaches to the study of health and disease. *Occasional.*

ANG 5742 COS-ANTHRO 3(3,0)
Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. *Even Spring.*

ANG 5822 COS-ANTHRO 3(3,0)
Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary infield research in the Maya area. *Spring.*

ANT 2000 COS-ANTHRO 3(3,0)
General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. *Fall, Spring.*

ANT 2000H COS-ANTHRO 3(3,0)
Honors General Anthropology: PR: Permission of Honors. Extensive honors work in the field of anthropology. Expectations, requirements, and standards are greater than for standard General Anthropology. *Occasional.*

ANT 2140 COS-ANTHRO 3(3,0)
Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. *Fall, Spring.*

ANT 2410 COS-ANTHRO 3(3,0)
Cultural Anthropology: An introduction to human diversity as exemplified among various cultures and ethnic groups. *Fall, Spring.*

ANT 2511 COS-ANTHRO 3(3,0)
The Human Species: Human biological variation in an evolutionary perspective. *Fall, Spring.*

ANT 2511H COS-ANTHRO 3(3,0)
Honors The Human Species: PR: Permission of Honors. Human biological variation in an evolutionary perspective. *Fall.*

ANT 2511L COS-ANTHRO 1(0,1)
Physical Anthropology Lab: PR: or C.R. ANT 2511 or C.I. General overview of physical anthropology laboratory methods. *Fall, Spring.*

ANT 3026 COS-ANTHRO 3(3,0)
Mummies, Zombies, and Vampires: Anthropology of the Undead: PR: Either ANT 2000, ANT 2511, or C.I. Anthropological exploration into the phenomenon of the undead (namely, zombies, vampires and mummies) and our fascination with this subject. *Occasional.*

ANT 3106 COS-ANTHRO 3(3,0)
Archaeology and Popular Culture: PR: ANT 2000 or C.I. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. *Occasional.*

ANT 3115 COS-ANTHRO 3(3,0)
Archaeological Method and Theory: PR: or CR: ANT 2140 or C.I. A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. *Fall.*

ANT 3142 COS-ANTHRO 3(3,0)
Old World Prehistory: PR: Sophomore Standing. A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. *Fall.*

ANT 3145 COS-ANTHRO 3(3,0)
Archaeology of Complex Societies: PR: ANT 2140 or C.I. Theoretical perspectives on ancient hierarchies of power. *Fall, Spring.*

ANT 3148 COS-ANTHRO 3(3,0)
Life and Death in Ancient Egypt: PR: Any 2000 level Anthropology course. Use of archaeology and physical anthropology to examine the lives and death of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). *Spring.*

ANT 3152 COS-ANTHRO 3(3,0)
Indians of the Southwest: PR: ANT 2000 or ANT 2140, or C.I. Native American culture types of the southwest: Navajo, Pueblo (Zuni, Hopi, Tewa), Apache (Lipan, Mescalero), and Desert Tradition (Pima, Papago, Havasupi). *Occasional.*

ANT 3158 COS-ANTHRO 3(3,0)
Florida Archaeology: PR: ANT 2000 or ANT 2140 or C.I. Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, and artifacts. *Spring.*

ANT 3160 COS-ANTHRO 3(3,0)
Americas Before Columbus: PR: ANT 2000 or ANT 2140, or C.I. Archaeological developments of North, Central, and South America from the hemisphere's initial peopling through the advent of European cultures. *Occasional.*

ANT 3161 COS-ANTHRO 3(3,0)
Archaeology of Mexico: PR: ANT 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. *Occasional.*

ANT 3163 COS-ANTHRO 3(3,0)
Mesoamerican Archaeology: PR: Sophomore standing. An introduction to the prehistory of Mexico. Guatemala and upper Central America from earliest times through the Spanish conquest. *Fall.*

ANT 3164 COS-ANTHRO 3(3,0)
Ancient Incas: PR: Sophomore standing, or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnohistorical, historical, and contemporary anthropological sources. *Spring.*

ANT 3165 COS-ANTHRO 3(3,0)
Archaeology of South America: PR: ANT 2000 or ANT 2140, or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andes and other areas. *Occasional.*

ANT 3168 COS-ANTHRO 3(3,0)
Maya Archaeology: PR: Sophomore standing. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. *Occasional.*

ANT 3173 COS-ANTHRO 3(3,0)
Archaeology of Sex: PR: Sophomore standing. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an archaeological perspective. *Spring.*

ANT 3177 COS-ANTHRO 3(3,0)
Archaeology of Caribbean Piracy: PR: Sophomore standing. The profession of piracy in the context of Caribbean prehistory and archaeology. *Fall.*

ANT 3212 COS-ANTHRO 3(3,0)
Peoples of the World: PR: Sophomore standing. A comparative study of religion, family, politics, philosophy, and other elements of socio-cultural organization of pre-literate societies. *Fall, Spring.*

ANT 3241 COS-ANTHRO 3(3,0)
Magic, Ritual, and Belief: PR: Sophomore standing. Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. *Fall, Spring.*

ANT 3245 COS-ANTHRO 3(3,0)
Native American Religions: PR: Sophomore standing. The religious beliefs of native New World peoples. *Fall, Spring.*

ANT 3262 COS-ANTHRO 3(3,0)
Rural Society: PR: or CR: ANT 2000 or C.I. An introduction to rural society in the U.S. and abroad. Problems of third world development in the rural sector. *Occasional.*



UCF Courses and Descriptions

ANT 3273 COS-ANTHRO 3(3,0)
Law and Culture: PR: or CR: ANT 2000 or C.I. An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. *Occasional.*

ANT 3302 COS-ANTHRO 3(3,0)
Sex, Gender and Culture: PR: Sophomore standing. The traditional and changing roles of women and men viewed in a cross-cultural perspective. *Fall, Spring.*

ANT 3311 COS-ANTHRO 3(3,0)
Indians of the Southeastern United States: PR: or CR: One of the following: ANT 2000, ANT 2140, or C.I. A study of the social and cultural history of the Indians of the Southeast. *Occasional.*

ANT 3312 COS-ANTHRO 3(3,0)
Ethnology of North American Indians: PR: or CR: One of the following: ANT 2000, ANT 2140, or C.I. A survey of the aboriginal cultures of North America, with emphasis on the pre-contact cultural condition. *Occasional.*

ANT 3313 COS-ANTHRO 3(3,0)
Indians of North America High Plains: PR: or CR: One of the following: ANT 2000, ANT 2140, or C.I. A study of the social and cultural history of the Indians of the North American High Plains. *Occasional.*

ANT 3319 COS-ANTHRO 3(3,0)
Anthropology of Diaspora: PR: Sophomore standing or C.I. Comparative study of sociocultural constructions of race and the processes of acculturation and resistance in African Diasporas of the New and Old Worlds. *Occasional.*

ANT 3330 COS-ANTHRO 3(3,0)
Cultural Ecology of Amazonia: PR: Any 2000 level social science course or C.I. The cultural ecology and adaptive strategies of native Amazonians, including effects of modernization on resource use and cultural survival. *Occasional.*

ANT 3344 COS-ANTHRO 3(3,0)
Puerto Rican Culture: PR: ANT 2000, or SYG 2000, or PSY 2012, or C.I. Ethnographic study of Puerto Rican culture in Puerto Rico and the U.S. Emphasis on race, class, and gender in twentieth-century Puerto Rican experiences. *Occasional.*

ANT 3362 COS-ANTHRO 3(3,0)
Peoples of Southeast Asia: PR: or CR: ANT 2000 or ANT 2410 or C.I. A survey of the peoples of Vietnam, Cambodia, Laos and Thailand from the anthropological perspective. *Occasional.*

ANT 3363 COS-ANTHRO 3(3,0)
Anthropology of Japan: PR: or CR: ANT 2000 or C.I. An examination of Japanese culture and its contemporary behavioral and organizational patterns by drawing upon archaeology, cultural history, linguistics, cultural anthropology, and social organization. *Occasional.*

ANT 3393 COS-ANTHRO 3(3,0)
American Indian Literature and Culture in Florida: PR: ENC 1102. Literature about the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through oral tales and legends, treaties, archival sources. *Occasional.*

ANT 3398 COS-ANTHRO 3(3,0)
Black/Seminole Relations: PR: 2000 level GEP Social Science course or C.I. Relationships forged between peoples of African origin and descent and the Seminole Indians. *Occasional.*

ANT 3541 COS-ANTHRO 3(3,0)
Biobehavioral Anthropology: PR: or CR: ANT 2000 or ANT 2511 or C.I. An introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. *Fall.*

ANT 3550C COS-ANTHRO 3(2,1)
Primatology: PR: One of the following: ANT 2511, BSC 2010C, or C.I. Study of species from the Order Primates, including their morphology, ecology, behavior, and geographic distribution. *Occasional.*

ANT 3610 COS-ANTHRO 3(3,0)
Language and Culture: PR: Sophomore standing. The study of language in a non-western setting; language and behavior; language and perception. *Fall, Spring.*

ANT 3701 COS-ANTHRO 3(3,0)
Applied Anthropology: PR: ANT 2000 or ANT 2410 or C.I. Application of anthropological methods to current human problems such as the environment, migration, globalization and health. *Even Fall.*

ANT 3943 COS-ANTHRO 3(3,0)
Caribbean Archaeology Practicum: PR: Previous fieldwork is preferred, and C.I. Field archaeology by participating in field schools at prehistoric Lucayan sites on Eleuthera and/or Inagua Islands. May be used in the degree program a maximum of 2 times. *Occasional.*

ANT 3949 COS-ANTHRO 0(0,8)
Cooperative Education in Anthropology: PR: Departmental permission required before registering. Cooperative education experience in anthropology. Graded S/U. May be repeated. *Occasional.*

ANT 4013 COS-ANTHRO 3(3,0)
Anthropological Perspectives on Fast Food: PR: ANT 2000 or ANT 2410 or C.I. Anthropological research on corporate fast food in diverse cultural settings. *Occasional.*

ANT 4027 COS-ANTHRO 3(3,0)
Mummies, Life After Death: PR: Either ANT 2000, ANT 2511, or C.I. Cultural practices and beliefs surrounding death; the concerns cultures and humans have had throughout the ages about the body's decay after life, and their attempts to prevent decay and preserve bodies in a state as near to life as possible. *Occasional.*

ANT 4034 COS-ANTHRO 3(3,0)
History of Anthropological Thought: PR: ANT 2410 or C.I. The exploration of the intellectual foundations of modern anthropology. *Fall, Spring.*

ANT 4153 COS-ANTHRO 3(3,0)
North American Archaeology: PR: or CR: One of the following: ANT 2000, ANT 2140, or C.I. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. *Spring.*

ANT 4180C COS-ANTHRO 3(1,4)
Seminar in Laboratory Analysis: PR: or CR: ANT 2000 or ANT 2140 or C.I. The processing of archaeological finds from excavation through publication. May be repeated for credit. *Spring.*

ANT 4183 COS-ANTHRO 3(3,0)
Archaeological Sciences: PR: One of the following: ANT 2511, ANT 2140, CHS 3501, any 4000 level Criminal Justice course, or C.I. Methods and instrumentation routinely used in archaeology and forensic archaeology. *Spring.*

ANT 4184 COS-ANTHRO 3(3,0)
Mortuary Archaeology: PR: ANT 2000, or ANT 2140, or ANT 2511 or C.I. Archaeological interpretations of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. *Odd Spring.*

ANT 4266 COS-ANTHRO 3(3,0)
Economic Anthropology: Production, Consumption, and Exchange: PR: ANT 2000, ECO 2013, PSY 2012, or SYG 2000. Issues, methods, and concepts of economic anthropology. *Occasional.*

ANT 4303 COS-ANTHRO 3(3,0)
Anthropology of Tourism: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Social theory of tourism; anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. *Occasional.*

ANT 4332 COS-ANTHRO 3(3,0)
People and Cultures of Latin America: PR: One of the following: ANT 2000, SYG 2000, PSY 2012, ANT 2410, or C.I. History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. *Odd Fall.*

ANT 4340 COS-ANTHRO 3(3,0)
Caribbean Cultures: PR: ANT 2000, ANT 2410, SYG 2000, PSY 2012, or C.I. Comparative study of peoples and cultures of the Anglophone, Francophone, Hispanophone, and Caribbean. *Even Spring.*

ANT 4352 COS-ANTHRO 3(3,0)
African Societies and Cultures: PR: ANT 2000 or SYG 2000 or C.I. Anthropological survey of Africa examining the social, cultural, and economic diversity of the continent over time. *Even Fall.*

ANT 4408 COS-ANTHRO 3(3,0)
Culture, Disease, and Healing: PR: One of the following: ANT 2000, ANT 2410, ANT 2511, or C.I. The role of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. *Spring.*

ANT 4462 COS-ANTHRO 3(3,0)
Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. *Fall.*

ANT 4467 COS-ANTHRO 3(3,0)
Nutritional Anthropology: PR: One 2000 level course in social sciences and one 2000 level course in biological sciences or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. *Occasional.*

ANT 4516 COS-ANTHRO 3(3,0)
Human Biological Diversity: PR: ANT 2511 or BSC 2010C or C.I. Human biological variation and adaptation. *Spring.*

ANT 4521 COS-ANTHRO 3(3,0)
Forensic Anthropology: PR: One of the following: ANT 2511, CHS 3501, any 4000 level Criminal Justice class, or C.I. The study of human skeletal remains in relation to a legal context. *Fall.*

ANT 4525C COS-ANTHRO 4(3,1)
Human Osteology: PR: One of the following: ANT 4521, ZOO 3713C, ZOO 3733C, or C.I. The scientific study of the human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. *Fall.*

ANT 4560 COS-ANTHRO 3(3,0)
Anthropological Perspectives on Human Growth: PR: ANT 2000 or ANT 2511 or C.I. Evolutionary, ecological, historical and cultural perspectives on human growth, maturation, and aging. *Occasional.*

ANT 4586C COS-ANTHRO 3(2,1)
Human Origins: PR: ANT 2511 or C.I. The fossil evidence for human evolution from Miocene hominoids through the australopithecines and the earliest members of the genus Homo. *Fall, Spring.*

ANT 4702 COS-ANTHRO 3(3,0)
Culture, Power and Development: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. *Occasional.*

ANT 4802 COS-ANTHRO 3(3,0)
Ethnographic Field Methods: PR: ANT 2000, ANT 2410, SYG 2000, PSY 2012, or C.I. Procedures and principles of ethnographic research methods. *Occasional.*

ANT 4824 COS-ANTHRO 9(9,0)
Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. *Spring.*

APK 3132 ED-CFCS 3(3,0)
Triathlon Training and Performance: PR: PEM 2104 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. *Occasional.*

APK 3400 COS-PSYCH 3(3,0)
Sports Psychology: PR: PSY 2012. A review of principles of psychology related to the enhancement of satisfaction and performance in sports. *Occasional.*

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APK 4110C ED-CFCS 3(2,1)
Exercise Physiology: PR: Admission to Sport and Exercise Science program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C and minimum overall 2.5 GPA. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to sport and exercise science. *Fall, Spring.*

ARA 1120C CAH-LANG 4(3,1)
Elementary Arabic Language and Civilization I: Introduces the student to Arabic language skills. Open only to students with no experience in the language. *Fall.*

ARA 1120C CAH-LANG 4(4,1)
Honors Elementary Arabic Language and Civilization I: PR: Permission of Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Honors level content. *Occasional.*

ARA 1121C CAH-LANG 4(3,1)
Elementary Arabic Language and Civilization II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. *Spring.*

ARA 1121C CAH-LANG 4(4,1)
Honors Elementary Arabic Language and Civilization II: PR: Permission of Honors. Continuation of ARA 1120C. Honors level content. *Occasional.*

ARA 2200 CAH-LANG 3(3,1)
Intermediate Arabic Language and Civilization I: PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. *Occasional.*

ARA 2201 CAH-LANG 3(3,0)
Intermediate Arabic II: PR: ARA 2200 or equivalent or C.I. Continuation of ARA 2200 with emphasis on Arabic cultures. *Fall, Spring.*

ARC 3181 CAH-CAH 3(3,0)
Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Continued investigation of computer-aided design programs currently utilized by professional practices. *Odd Spring.*

ARC 3270 CAH-CAH 3(3,0)
Professional Practice in Architecture: PR: ARC 3320L or C.I. Professional architecture practices in conjunction with supervised experiences at local, central Florida firms. *Occasional.*

ARC 3320L CAH-CAH 6(0,9)
Architectural Design 5: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. *Even Fall.*

ARC 3321L CAH-CAH 6(0,9)
Architectural Design 6: PR: ARC 3320L. Architectural design with a large scale urban context. Theory, methodology, and evolution of urban form in response to social, cultural, economic and technological forces. *Odd Spring.*

ARC 3463 CAH-CAH 3(3,0)
Materials and Methods of Construction 2: CR: ARC 4323L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. *Even Spring.*

ARC 3503 CAH-CAH 3(3,0)
Architectural Structures: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I.; CR: ARC 3320L. Principles of structural behavior in withstanding gravity and lateral forces. Considers structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. *Even Fall.*

ARC 3610 CAH-CAH 3(3,0)
Environmental Technology 1: CR: ARC 3321L. Principles and practices relating to control of the thermal/atmospheric environment and plumbing in buildings. *Odd Spring.*

ARC 3743 CAH-CAH 3(3,0)
Architectural History 3: CR: ARC 3320L. Social, political, material, technological, and cultural forces on design and construction from 1850, including architect's role in civil society and theoretical positions of architects and architectural schools. *Even Fall.*

ARC 4220 CAH-CAH 3(3,0)
Architectural Theory 2: CR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. *Odd Fall.*

ARC 4322L CAH-CAH 6(0,9)
Architectural Design 7: PR: ARC 3321L. Control over architectural processes to solve design needs through appropriate program development and construction technology. Complete building as a final product, emphasizing on urban and suburban housing projects. *Odd Fall.*

ARC 4323L CAH-CAH 6(0,9)
Architectural Design 8: PR: ARC 4322L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. *Even Spring.*

ARC 4620 CAH-CAH 3(3,0)
Environmental Technology 2: CR: ARC 4322L. PR: ARC 3610 or C.I. Fundamentals of architectural lighting, acoustics, electrical power distribution and building communications. *Odd Fall.*

ARE 2000 ED-CFCS 3(3,0)
Early Childhood Art and Creativity: An examination of developmental patterns in children's artistic behaviors and appropriate instructional strategies to be implemented. *Occasional.* M&S fee \$5.00

ARE 3935 CAH-SVAD 12(0,12)
Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. *Occasional.*

ARE 3944 CAH-SVAD 3(2,3)
Community Arts Practicum: PR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. *Occasional.*

ARE 4250 ED-TL&L 3(3,0)
Art for Exceptionalities: PR: Admission to the College of Education and Human Performance, Art Education Program or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental exceptionalities. *Spring.*

ARE 4260 CAH-SVAD 3(3,0)
Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. *Occasional.*

ARE 4313 ED-TL&L 1(1,0)
Art in the Elementary School: PR: EDF 2005; CR: MUE 3210, HLP 4720, RED 4519, MAE 4326, and EDE 3942. Basic principles, purposes, scope and sequence; organization for instruction; evaluation of activities; selected art experiences. *Fall, Spring.* M&S fee \$5.00

ARE 4351 ED-TL&L 3(3,0)
Teaching Art in the Elementary School: PR: EDG 4410 and EDF 4467. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. *Fall.* M&S fee \$5.00

ARE 4352 ED-TL&L 3(2,1)
Teaching Art in the Secondary School: PR: EDF 4467 and EDG 4410. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. *Spring.* M&S fee \$5.00

ARE 4356 ED-TL&L 3(3,1)
Teaching Art Appreciation & Criticism in the Classroom: PR: ARH 2050 and ARH 2051. An examination of art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. *Fall.* M&S fee \$5.00

ARE 4453 ED-TL&L 3(3,0)
Studio Experiences in Art Education: PR: Admission into the College of Education and Human Performance, Art Education Program required or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be used in the degree program a maximum of 3 times. *Spring.* M&S fee \$5.00

ARE 5251 ED-TL&L 3(2,1)
Art for Exceptionalities: Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. *Occasional.*

ARE 5255 ED-TL&L 3(2,1)
Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. *Occasional.*

ARE 5359 ED-TL&L 4(4,0)
Teaching Art K-12: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. *Occasional.* M&S fee \$5.00

ARE 5454 ED-TL&L 3(3,0)
Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. *Spring.* M&S fee \$5.00

ARE 5648 ED-TL&L 3(3,0)
Contemporary Visual Arts Education: PR: Graduate standing or C.I. Continued study of current programs and innovations in public school Visual Arts Programs. *Occasional.*

ARH 2050 CAH-SVAD 3(3,0)
History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. *Fall.*

ARH 2050H CAH-SVAD 3(3,0)
Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. *Occasional.*

ARH 2051 CAH-SVAD 3(3,0)
History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. *Spring.*

ARH 2051H CAH-SVAD 3(3,0)
Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. *Occasional.*

ARH 2500 CAH-SVAD 3(3,0)
History of Non-Western Art: Major visual arts in various non-Western cultures. *Fall, Spring.*

ARH 3471 CAH-SVAD 3(3,0)
Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. *Occasional.*

ARH 3520 CAH-SVAD 3(3,0)
African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. *Occasional.*

ARH 3610 CAH-SVAD 3(3,0)
American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. *Occasional.*



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ARH 3631 CAH-AAS 3(3,0)
African-American Art: PR: ENC 1102 or C.I. Historical survey of art produced by working artists of African heritage and representations of African-American life by these and other artists. *Occasional.*

ARH 3632H CAH-SVAD 3(3,0)
Honors African American Arts Seminar: PR: Permission of Honors. An exploration of traditional, academic, and contemporary urban African American visual arts. *Occasional.*

ARH 3670 CAH-SVAD 3(3,0)
20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. *Occasional.*

ARH 3673 CAH-SVAD 3(3,0)
Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980's. *Occasional.*

ARH 3674 CAH-SVAD 3(3,0)
Latin American Popular Visual Culture: PR: ANT 4332 or C.I. Latin American popular culture beyond "fine art," produced in Latin America, the United States, and the Caribbean. *Odd Spring.*

ARH 3683 CAH-SVAD 3(3,0)
Southern Folk Arts: PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular arts. *Occasional.*

ARH 3710 CAH-SVAD 3(3,0)
History of Photography I: PR: Junior Standing or C.I. History of still photography from its earliest inception to 1900. The content of this course is designed for art majors. *Occasional.*

ARH 3713 CAH-SVAD 3(3,0)
20th Century Photographic History: PR: Junior Standing. The history of the evolution of still photography from the early 20th Century to contemporary practice. *Occasional.*

ARH 3720 CAH-SVAD 3(3,0)
History of Prints: PR: ARH 2050 and ARH 2051 or C.I. History of printmaking in the Western world, surveying works by the "great printmakers." *Occasional.*

ARH 3728 CAH-SVAD 3(3,0)
History of Illustration: PR: ARH 2050 and ARH 2051. Western illustration from ancient and medieval manuscripts through nineteenth century cartoon, caricature, book, magazine illustration, and advertising. *Occasional.*

ARH 3820 CAH-SVAD 3(3,0)
Visual Arts Administration Vitas: PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum practices, etc. *Occasional.*

ARH 3842 CAH-SVAD 3(3,0)
Art History Abroad: Italy: PR: ARH 2050 and ARH 2051 or C.I. Meets in Italy and explores Italian art, architecture, artists, patrons, and culture from the Roman period through the late Baroque. *Occasional.*

ARH 4130 CAH-SVAD 3(3,0)
Greek Art and Architecture: PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. *Occasional.*

ARH 4150 CAH-SVAD 3(3,0)
Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. *Occasional.*

ARH 4200 CAH-SVAD 3(3,0)
Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. *Occasional.*

ARH 4310 CAH-SVAD 3(3,0)
Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. *Occasional.*

ARH 4350 CAH-SVAD 3(3,0)
Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. *Occasional.*

ARH 4352 CAH-SVAD 3(3,0)
Italian Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. *Occasional.*

ARH 4430 CAH-SVAD 3(3,0)
19th Century Art: PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. *Occasional.*

ARH 4450 CAH-SVAD 3(3,0)
20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of the art from Fauvism, Futurism, Cubism to the art of the present. *Occasional.*

ARH 4540 CAH-SVAD 3(3,0)
Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rajput, and Muslim periods. *Occasional.*

ARH 4653 CAH-SVAD 3(3,0)
Meso American Art: PR: Junior Standing or C.I. A survey of the art of Mexico and Central America, from the Pre-Colombia, through the Spanish Colonial, to the 20th century. *Occasional.*

ARH 4800 CAH-SVAD 3(3,0)
Theory and Criticism of the Visual Arts: PR: ARH 2050 and ARH 2051 or C.I. Explores criteria of art criticism and theoretical approaches to art meaning through time; art examples from various periods/cultures. *Occasional.*

ARH 4871 CAH-SVAD 3(3,0)
Women in Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of women artists from ancient times to the present as well as a study of the role Aesthetics and Ideology have played in determining representations of women in art. *Occasional.*

ARH 5897 CAH-SVAD 3(3,0)
Advanced Seminar in Art History: PR: ARH 2050 and ARH 2051 or C.I. Research methods on various topics including: major artist, monument, cultural period or theme. *Occasional.*

ART 2201C CAH-SVAD 3(2,4)
Design Fundamentals-Two Dimensional: PR: C.I. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory. *Fall, Spring.* M&S fee \$15.00

ART 2201C CAH-SVAD 3(2,4)
Honors Design Fundamentals-Two Dimensional: PR: ART 2823. Priority given to students whose major requires this course. Permission of Honors. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory with Honors content. *Occasional.*

ART 2203C CAH-SVAD 3(2,4)
Design Fundamentals-Three Dimensional: PR: C.I. Priority given to students whose major requires this course. Basic three-dimensional design using the various sculptural media. *Fall, Spring.* M&S fee \$45.00

ART 2300C CAH-SVAD 3(2,4)
Drawing Fundamentals I: PR: C.I. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. *Fall, Spring.* M&S fee \$10.00

ART 2300C CAH-SVAD 3(2,4)
Honors Drawing Fundamentals I: PR: ART 2823 and Consent of Honors. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. With Honors content. *Occasional.* M&S fee \$10.00

ART 2301C CAH-SVAD 3(2,4)
Drawing Fundamentals II: PR: ART 2300C or C.I. Priority given to students whose major requires this course. Continuation of ART 2300C. *Fall, Spring.* M&S fee \$10.00

ART 2400C CAH-SVAD 3(2,4)
Beginning Printmaking: Basic elements and techniques of printmaking covered. Relief, intaglio, and lithography. Assignments include practical application of printmaking as drawing tool. *Occasional.*

ART 2500C CAH-SVAD 3(2,4)
Beginning Painting: PR: ART 2300C, ART 2201C, or C.I. Methods and materials of the painter. Introduction to the problems in painting. *Occasional.* M&S fee \$15.00

ART 2701C CAH-SVAD 3(2,4)
Sculpture: PR: Three semester hours in three-dimensional work. ART 2201C, ART 2203C, ART 2300C, ART 2301C. *Odd Fall.* M&S fee \$35.00

ART 2754C CAH-SVAD 3(2,4)
Beginning Ceramics: PR: ART 2201C or C.I. Basic concepts of ceramic design, experience in processes of forming, decorating, glazing, and firing pottery. *Fall, Odd Spring.* M&S fee \$35.00

ART 2823 CAH-SVAD 3(3,0)
Art as Interface: An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared by the various disciplines and how knowledge of these data is used by the profession to share information with the community. *Fall, Spring.*

ART 2823H CAH-SVAD 3(3,0)
Honors Art as Interface: PR: Consent of Honors. An overview of Art department specializations, and selected historical and theoretical information influencing the art curriculum. Aesthetic characteristics shared among the disciplines and their use by the profession. With Honors content. *Occasional.*

ART 3161 CAH-SVAD 3(3,0)
Mixed Media: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Concepts and techniques involving the creation of art objects by integrating painting, sculpture, drawing, design, and art history. *Occasional.*

ART 3170C CAH-SVAD 3(2,4)
Book Binding: PR: ART 2201C, ART 2203C, and ART 2823. Basic book binding techniques, methods, structures, and production of books. *Occasional.* M&S fee \$44.00

ART 3171C CAH-SVAD 3(2,4)
Materials for Artist Books: PR: ART 2201C, ART 2203C, and ART 3170C. Production of materials used for an artist in the creation of books. *Occasional.* M&S fee \$32.00

ART 3175C CAH-SVAD 3(2,4)
Advanced Issues in Contemporary Book Arts: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and ART 3170C. Drawing, printmaking, and painting combined with guided research at the Orlando Museum of Art culminating in a handbound Visual Book. *Occasional.* M&S fee \$44.00

ART 3176C CAH-SVAD 3(2,4)
The Illuminated Book: PR: ART 2201C, ART 2300C, ART 2300C, ART 2301C, and ART 3170C. The creation of visual, illuminated responses to language from stories, fables, poetry, and books using a variety of media. *Occasional.* M&S fee \$45.00

ART 3223C CAH-SVAD 3(2,4)
Honors Applied Design Lab: PR: Consent of Honors. Designing three-dimensional projects for real world clients. With Honors Content. *Occasional.*



UCF Courses and Descriptions

ART 3321C CAH-SVAD 3(2,4)
Drawing Intensive: PR: Any 2000 level Art History. Drawing concepts and techniques emphasizing observation from still life and the human figure to prepare students for Sophomore portfolio review. *Occasional.*

ART 3332C CAH-SVAD 3(2,4)
Intermediate Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate problems in drawing, with emphasis on the human form. *Fall, Spring.*

ART 3433C CAH-SVAD 3(2,4)
Screenprinting: PR: ART 2201C, ART 2300C, ART 2400C. Techniques of waterbase screenprinting, including digital/photo processes and practical applications of screenprinting as a means for image making. *Occasional.*

ART 3504C CAH-SVAD 3(2,4)
Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Reinforces and extends methods and materials content of ART 2500C, and deals with issues of figurative painting. *Fall, Even Spring.* M&S fee \$15.00

ART 3616C CAH-SVAD 3(3,0)
Animation Production Methods: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, C.I. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. *Occasional.* M&S fee \$15.00

ART 3618 CAH-SVAD 3(3,0)
Post-Production Design: PR: Sophomore Portfolio and "C" or better in FIL 3720C. Special effects and compositing for computer animation and film. Focus on the use of After Effects, Premier and Photoshop software. *Occasional.*

ART 3643C CAH-SVAD 3(2,4)
Digital Effects & Compositing: PR: DIG 3951 and declared Character Animation specialization, or ART 3950 and DIG 4780C and declared Experimental Animation specialization. Special effects and compositing for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. *Fall.*

ART 3709C CAH-SVAD 3(2,4)
Intermediate Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2701C, and successful portfolio review. Examines the concepts of three-dimensional forms. *Fall, Spring.* M&S fee \$45.00

ART 3737C CAH-SVAD 3(2,4)
Narrative Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, and ART 2301C. Aesthetics of sculpture incorporating narrative content and referencing historical contexts. May be repeated for credit. *Occasional.*

ART 3761C CAH-SVAD 3(2,4)
Intermediate Ceramics: PR: ART 2201C, ART 2203C, ART 2300C and ART 2301C. Continuation of ceramic processes. *Fall, Spring.* M&S fee \$35.00

ART 3764C CAH-SVAD 3(2,4)
Ceramic Handbuilding I: PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. *Occasional.* M&S fee \$35.00

ART 3833C CAH-SVAD 3(4,2)
Processes and Ideas in Art: PR: Junior Standing. This course emphasizes the development of individual creativity and the generation of new insights concerning artistic expression. These "formative activities" must be manifested by students in the form of small sculptures and/or other forms of creativity. *Occasional.*

ART 3833C CAH-SVAD 3(2,4)
Honors Processes and Ideas in Art: PR: Junior Standing and Consent of Honors. Generation of new insights concerning artistic expression with an emphasis on the individual creation of visual art objects. With Honors content. *Occasional.*

ART 3950 CAH-SVAD 0(0,0)
Portfolio Review: PR: ARH 2050, ARH 2051, ART 2823, ART 2201C, ART 2203C, ART 2300C, and ART 2301C. Determines competencies in studio foundations work. Satisfactory completion of portfolio review is required to enroll in upper division studio classes. Graded S/U. *Fall, Spring.*

ART 3951C CAH-SVAD 3(2,4)
Design Intensive: PR: Any 2000 level Art History. Interdisciplinary design course emphasizing visual literacy skills and finished design projects with real world clients. Course covers two and three dimensional design content. *Occasional.*

ART 4172C CAH-SVAD 3(2,4)
Book Repair and Restoration: PR: ART 2201C, ART 2203C, and ART 3170C. Mending, repairing, and rebinding books from the Library and Special Collections. *Occasional.*

ART 4173C CAH-SVAD 3(2,4)
The Artist Book: PR: ART 2201C and ART 2203C. Definition of book from traditional hand-made to contemporary artist book. Redefining the elements, structure and content of books and the binding and printing methods in book production. *Occasional.* M&S fee \$28.00

ART 4174C CAH-SVAD 3(2,4)
The Printed Book: PR: ART 2201C, ART 2203C, ART 2300C, and ART 2301C. Aesthetics of the printed book including binding techniques to make artist books. *Occasional.* M&S fee \$23.00

ART 4177C CAH-SVAD 3(2,4)
Commercial Book Design and Publishing: PR: ART 2823 and Junior standing or C.I. Analysis of art and design elements and their interpretation from a historical perspective. *Occasional.*

ART 4226C CAH-SVAD 3(3,3)
Post Production for Animators: PR: FIL 3734C. Concepts and tools for finishing computer and traditional animations on film and video. Emphasis on compositing tools to combine elements in a finished animation. *Occasional.*

ART 4320C CAH-SVAD 3(2,4)
Advanced Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3332C. May be repeated for credit. *Fall, Spring.*

ART 4402C CAH-SVAD 3(2,4)
Advanced Printmaking: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. *Even Fall, Spring.* M&S fee \$30.00

ART 4505C CAH-SVAD 3(2,4)
Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3504C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. *Fall, Spring.* M&S fee \$15.00

ART 4634C CAH-SVAD 3(3,1)
Web Art: PR: ART 2823 or C.I. The Web as a medium for art. *Occasional.*

ART 4644C CAH-SVAD 3(2,4)
Books Without Books: PR: ART 2201C, ART 2203C, ART 2300C, and ART 2301C. The use of technology for alternative presentation of sequential ideas in space and time. May be repeated for credit. *Occasional.*

ART 4710C CAH-SVAD 3(2,4)
Advanced Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2701C, and a satisfactory portfolio review or C.I. May be repeated for credit. *Fall, Spring.* M&S fee \$45.00

ART 4765C CAH-SVAD 3(2,4)
Ceramic Handbuilding II: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2754C, and a satisfactory portfolio review or C.I. Technical skills in manipulating form, function, volume, color and surface texture. *Occasional.* M&S fee \$35.00

ART 4780C CAH-SVAD 3(2,4)
Kiln Design and Building: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3761C, ART 4783C, and a satisfactory portfolio review or C.I. The design and construction of kilns, use of refractory materials, and the theory of efficient fuel combustion. *Occasional.* M&S fee \$35.00

ART 4783C CAH-SVAD 3(2,4)
Advanced Ceramics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3761C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. *Fall, Spring.* M&S fee \$35.00

ART 4786C CAH-SVAD 3(2,4)
Ceramic Raw Material: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3761C, and a satisfactory portfolio review or C.I. An in-depth understanding of the singular and diverse properties of clay and glaze materials. *Occasional.* M&S fee \$35.00

ART 4935 CAH-SVAD 3(3,0)
BFA Exhibit/Seminar: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, must complete Studio course for BFA, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition. *Spring.* M&S fee \$15.00

ART 4945L CAH-SVAD 6(0,6)
Advanced Design Lab: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. An interdisciplinary practicum where students design and develop visual solutions for real world clients in partnership with industry. *Occasional.*

ART 4954 CAH-SVAD 3(3,0)
Scotland Study Abroad: PR: ART 2823, ART 2201C, ART 2301C or C.I. Study abroad in Edinburgh, Scotland. May be repeated for credit. *Occasional.*

ART 4971 CAH-SVAD 3(2,4)
Senior Thesis: PR: Senior Standing, Art major, and C.I. A capstone thesis for Art Animation majors. May be repeated for credit. *Occasional.* M&S fee \$45.00

ART 5280C CAH-SVAD 3(3,3)
Serial Content and Classic Form I: PR: Admission to MFA. Studio course exploring serial imaging history, pictographs, alphabet development, typographic design, and the computer as sequenced design concepts and tools. *Fall.* M&S fee \$45.00

ART 5284 CAH-SVAD 3(3,0)
Design Theory and Methods: PR: Admission to MFA or C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. *Fall.* M&S fee \$45.00

ART 5670C CAH-SVAD 3(2,4)
Digital Illustration: CR: ART 6683C. Methods and media effects usually associated with traditional illustration in a digital platform. *Spring.* M&S fee \$45.00

ART 5694 CAH-SVAD 3(3,0)
Crosscultural Electronic Art and Design: PR: Admission to MFA. Explores digital/electronic art and technology from mid-20th century to present. Explores key electronic artists and issues of the "arts electronica" into the present. *Spring.*

ART 5695 CAH-SVAD 3(3,0)
WebArt I: PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. *Spring.* M&S fee \$45.00

ART 5696 CAH-SVAD 3(3,0)
Art, Design and Human Interactions: PR: Admission to MFA. Exploration and design of interface interactions systems and technologies in contemporary society and culture including place making, way finding, electronic interface design, and publication design. *Spring.*

ART 5698 CAH-SVAD 3(3,0)
Concourse I: PR: ART 5910 and ART 5280C and ART 5694, or C.I. Digital reproduction of studio works. *Fall.* M&S fee \$45.00

ART 5811C CAH-SVAD 3(3,1)
The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisite), graduate status or senior standing, or C.I. Seminar class on political information pertaining to professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. *Fall.* M&S fee \$45.00



ART 5910 CAH-SVAD 3(3,0)
Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. *Fall, Spring.* M&S fee \$45.00

ART 5934 CAH-SVAD 3(3,0)
Concepts of Contemporary Art: PR: Graduate standing or C.I. Current issues in contemporary international art. Graded S/U. *Occasional.*

ART 5941 CAH-SVAD 1(1,0)
Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. *Occasional.*

ASH 3222 CAH-HIST 3(3,0)
Islam and Its Empires: PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 16th century. *Occasional.*

ASH 3223 CAH-HIST 3(3,0)
The Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. *Occasional.*

ASH 4233 CAH-HIST 3(3,0)
Ottoman Empire: PR: WOH 2012 and WOH 2022. History of the Ottoman Empire from its origins in the 13th century to its collapse after WWI. *Occasional.*

ASH 4243 CAH-HIST 3(3,0)
History of Iraq: PR: WOH 2012 and WOH 2022. Modern Iraqi history through a set of interrelated monographic studies that focus on the political and legal components of the Iraqi state. *Occasional.*

ASH 4304 CAH-HIST 3(3,0)
Women in China: PR: AMH 2010 and AMH 2020, or EUH 2000 and EUH 2001, or WOH 2012 and WOH 2022. Historical changes and continuities in experiences of Chinese women during the traditional period, the modern era and contemporary times. *Occasional.*

ASH 4324 CAH-HIST 3(3,0)
History & Culture of South Asia: PR: WOH 2022 or C.I. History and culture of South Asia from prehistory to decline of the British Raj. *Occasional.*

ASH 4383 CAH-HIST 3(3,0)
Imperialism & Decolonization in South Asia: PR: WOH 2022 or C.I. Socio-cultural, economic and political impact of imperialism and the subsequent decolonization in South Asia. *Occasional.*

ASH 4402 CAH-HIST 3(3,0)
History of Chinese Civilization: PR: EUH 2000 and EUH 2001, or WOH 2012 and WOH 2022. Chinese history from its pre-historical genesis until the 18th century. *Occasional.*

ASH 4404 CAH-HIST 3(3,0)
China in 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. The Mongols in China; coming of the Europeans; social structure; Communist movement; Japanese aggression. *Occasional.*

ASH 4442 CAH-HIST 3(3,0)
Modern Japan, 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century; World War I; Japanese militarism; World War II; and U.S. occupation. *Occasional.*

ASH 4550 CAH-HIST 3(3,0)
History of Modern India: PR: WOH 2022 or C.I. History of India from decline of Mughlas in late 18th century to present. *Occasional.*

ASH 5227 CAH-HIST 3(3,0)
The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. *Occasional.*

ASH 5229 CAH-HIST 3(3,0)
History of the Middle East: PR: Graduate standing or C.I. Selected topics in the history of the modern Middle East. May be used in the degree program a maximum of 2 times only when course content is different. *Occasional.*

ASH 5408 CAH-HIST 3(3,0)
Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. *Occasional.*

ASH 5485 CAH-HIST 3(3,0)
U.S. China Relations: PR: Graduate standing or C.I. An in-depth study of the significant relations between China and the United States since the 18th century. *Even Fall.*

ASH 5925 CAH-HIST 3(3,0)
Colloquium in South Asian History: PR: Graduate standing or C.I. Addresses key themes in South Asian history through selected readings. May be used in the degree program a maximum of 3 times only when course content is different. *Occasional.*

ASL 2140 HPA-COM SC&DIS 4(4,0)
Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture, literature, research examined. *Fall, Spring.*

ASL 2150 HPA-COM SC&DIS 4(4,0)
Intermediate American Sign Language: PR: ASL 2140. Expansion of ASL vocabulary with increased development of knowledge concerning Deaf culture. *Fall, Spring.*

ASL 2510 HPA-COM SC&DIS 3(3,0)
Issues of Deafness: PR: C.I. The impact of deafness on individual, family and social problems in the deaf community and culture, including historical and changing attitudes toward persons and disabilities. *Occasional.*

ASL 3444 HPA-COM SC&DIS 3(3,0)
Introduction to Signed English and Culture of the Deaf: Vocabulary and grammar through introductory level. Conceptual basis of ASL discussed. *Occasional.*

ASL 4161C HPA-COM SC&DIS 4(3,1)
American Sign Language III: PR: ASL 2150. Conversation. Emphasis on refining fluency receptively and expressively. Practicum with the deaf community. *Occasional.*

ASL 4201 HPA-COM SC&DIS 4(4,0)
American Sign Language IV: PR: ASL 4161C or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasizing production of non-voiced, conversational, spontaneous signed sentences, "reading" signed phrases and sentences. *Occasional.*

AST 2002 COS-PHYS 3(3,0)
Astronomy: PR: High school algebra or MAC 1105C. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. *Fall, Spring.*

AST 2002H COS-PHYS 3(3,0)
Honors Astronomy: PR: Permission of Honors. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Honors level content. *Occasional.*

AST 2002L COS-PHYS 1(0,3)
Astronomy Lab: CR: AST 2002. Laboratory experiments covering selected topics in astronomy related to AST 2002. *Occasional.* M&S fee \$9.00

AST 2037 COS-PHYS 3(3,0)
Life in the Universe: A thought provoking journey through solar system environments and extrasolar planets to establish the probability of life on other planets in our solar system and beyond. *Occasional.*

AST 3110 COS-PHYS 3(3,0)
Solar System Astronomy: PR: AST 2002, PHY 2053C. Interdisciplinary approach to the dynamics of the Solar System through application of Physics, Atmospheric Science, Chemistry and Geology. *Even Fall.*

AST 3211 COS-PHYS 3(3,0)
Stellar Astrophysics: PR: AST 2002, PHY 2053C. The physics and dynamics of stars, including star formation and stellar evolution. *Occasional.*

AST 3402 COS-PHYS 3(3,0)
Galaxies and Cosmology: PR: AST 2002 and PHY 2048C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. *Odd Fall.*

AST 3722C COS-PHYS 3(3,0)
Techniques of Observational Astronomy: PR: AST 2002, PHY 2048C. Fundamental principles and techniques used in planning, reducing, and analyzing modern astronomical observations. Numerical treatment of photometry, spectroscopy, and CCD images. *Even Spring.*

AST 4142 COS-PHYS 3(3,0)
Asteroids, Comets, and Meteorites: PR: AST 2002, AST 3110, and AST 3211. Asteroids, comets, and meteorites and their role in the origin and evolution of our solar system. *Occasional.*

AST 4152 COS-PHYS 3(3,0)
Planetary Geophysics: PR: AST 2002, PHY 2053C, and Senior standing, or C.I. Physics of planetary evolution, planetary interiors, and planetary surface processes. *Even Fall.*

AST 4700 COS-PHYS 3(3,0)
Experimental Methods in Astronomy: PR: AST 2002, PHY 2048, and Senior standing, or C.I. Experimental design and experimental techniques in astronomy and astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; astronomical quantification and interpretation of light. *Even Spring.*

AST 4762C COS-PHYS 3(3,1)
Astronomical Data Analysis: PR: MAC 2313, ability to write simple computer programs, and an upper level course in astronomy or planetary science, or C.I. Astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. *Fall.*

AST 5145 COS-PHYS 3(3,0)
Advanced Asteroids, Comets, and Meteorites: PR: Graduate standing or C.I. An advanced study of physical, chemical, mineralogical and orbital characteristics of Asteroids, Comets and Meteorites, with an emphasis on the origin of our solar system. *Odd Spring.*

AST 5154 COS-PHYS 3(3,0)
Advanced Planetary Geophysics: PR: Admission to Physics MS or PhD or C.I. The physics of planetary evolution, planetary interiors, and planetary surface processes. *Even Fall.*

AST 5165 COS-PHYS 3(3,0)
Planetary Atmospheres: PR: PHY 3220 and PHY 3101, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. *Even Spring.*

AST 5263 COS-PHYS 3(3,0)
Advanced Observational Astronomy: PR: Graduate standing in the Physics department or C.I. Experimental design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. *Even Spring.*

AST 5334 COS-PHYS 3(3,0)
Extrasolar Planets and Brown Dwarfs: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamics, detection, and environments. *Odd Spring.*

AST 5765C COS-PHYS 3(3,1)
Advanced Astronomical Data Analysis: PR: MAC 2313, a 3000-level or higher course in astronomy or planetary science, ability to write simple computer programs, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. *Fall.*

UCF Courses and Descriptions

ATR 2010C ED-CFCS 3(2,1)
Athletic Injuries: Mechanisms and Prevention: PR: PET 3005. The prevention, identification, care, and rehabilitation of human injuries. *Fall, Spring.*

ATR 3012C HPA-HP 2(1,1)
Clinical Skills for Athletic Trainers I: PR: ZOO 3733C or ZOO 3736C; and Athletic Training majors only or C.I. Clinical skills including functional knowledge of lower extremity/trunk muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment of general medical conditions. *Fall.* M&S fee \$31.00

ATR 3013C HPA-HP 2(1,1)
Clinical Skills for Athletic Training II: PR: ZOO 3733C or ZOO 3736C; and Athletic Training majors only or C.I. Clinical skills, including functional knowledge of upper extremity muscle, tendon, ligament anatomy; advanced taping and bracing skills; and pharmacological interventions. *Spring.* M&S fee \$31.00

ATR 3102 HPA-HP 3(3,0)
Principles of Athletic Training: PR: ZOO 3733C or ZOO 3736C; PCB 3703C; and Athletic Training majors only or C.I. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabilitation and prevention. *Occasional.*

ATR 3203C HPA-HP 3(2,1)
Upper Extremity Function and Measurement: PR: ZOO 3733C or ZOO 3736C. Upper extremity functional anatomy, manual muscle testing and goniometry. *Spring.*

ATR 3204C HPA-HP 3(2,1)
Lower Extremity Function and Measurement: PR: ZOO 3733C or ZOO 3736C. Lower extremity functional anatomy, manual muscle testing and goniometry. *Fall.*

ATR 3212C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries I: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the lower extremity and spine and provide immediate management. *Fall.*

ATR 3312C HPA-HP 3(2,1)
Injury, Management, and Rehabilitation: PR: ZOO 3733C or ZOO 3736C; COHPA Students only or C.I. Recognition and management of common injuries found in active populations. Therapeutic modalities and therapeutic exercise are integrated through the course. *Fall.*

ATR 3812L HPA-HP 4(0,16)
Practicum in Athletic Training I: PR: ATR 3102. Clinical introduction to an athletic training site under direct supervision of a certified athletic trainer. *Fall, Spring.*

ATR 3822L HPA-HP 4(0,16)
Practicum in Athletic Training II: PR: ATR 3812L. Continuation of clinical practicum under direct supervision of certified athletic trainer. *Fall, Spring.*

ATR 4014C HPA-HP 3(2,2)
Introduction to Athletic Training: PR: Athletic Training majors only or C.I. Basic athletic training skills including emergency care, taping and wrapping, goniometry and manual muscle testing. *Occasional.* M&S fee \$34.00

ATR 4103 HPA-HP 3(3,0)
Case Studies in Sports Medicine: PR: ATR 4832L. Presentation and treatment of various sports injuries. *Spring.*

ATR 4132 ED-CFCS 3(3,0)
Human Injuries: Mechanisms & Prevention: PR: Admission to Sport and Exercise Science program or Coaching Minor, ZOO 3736C or equivalent and minimum overall 2.5 GPA. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sport and fitness. *Fall, Spring.*

ATR 4213C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries II: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. *Spring.*

ATR 4302C HPA-HP 4(2,4)
Therapeutic Modalities in Athletic Training: PR: ATR 4213C. Principles and techniques for applying therapeutic modalities. *Occasional.* M&S fee \$5.00

ATR 4313C HPA-HP 4(2,4)
Therapeutic Exercise in Athletic Training: PR: ATR 3212C. Rehabilitation processes regarding exercise progression for athletic injury. *Occasional.*

ATR 4315C HPA-HP 3(1,2)
Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only. ATR 4313C or C.I. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. *Fall.* M&S fee \$17.00

ATR 4512C HPA-HP 3(3,0)
Organization and Administration of Athletic Training: PR: ATR 3822L. Administrative knowledge in the athletic training profession. *Fall.*

ATR 4832L HPA-HP 4(0,16)
Practicum in Athletic Training III: PR: ATR 3822L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. *Fall, Spring.*

ATR 4842L HPA-HP 4(0,16)
Practicum in Athletic Training IV: PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. *Fall, Spring.*

ATR 4933 HPA-HP 1(1,0)
Athletic Training Seminar: PR: ATR 4302C, ATR 4302C, and Senior standing. National Examination review and introduction to related allied health professionals. *Spring.*

ATR 5144 ED-CFCS 3(3,0)
Advanced Human Injuries: PR: ATR 2010C or C.I. The application of medical knowledge to sport with the emphasis on preserving the health of an athlete before, during and after performance. *Occasional.*

BCH 4053 COS-CHEM 3(3,0)
Biochemistry I: PR: CHM 2211. A consideration of proteins, carbohydrates, nucleic acids, enzymes and their effect on biochemical systems, and inter-relationship of intermediary metabolism. *Fall, Spring.*

BCH 4053H COS-CHEM 3(3,0)
Honors Biochemistry I: PR: CHM 2211 and consent of Honors. Proteins, carbohydrates, nucleic acids, enzymes and their effect on biochemical systems, and inter-relationship of intermediary metabolism. With Honors content. *Occasional.*

BCH 4054 COS-CHEM 3(3,0)
Biochemistry II: PR: BCH 4053. Continuation of BCH 4053. *Spring.*

BCH 4103L COS-CHEM 2(0,6)
Biochemical Methods: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantification of materials of biological significance. *Spring.* M&S fee \$70.00

BME 5572 ECS-ECE 3(3,0)
Biomedical Nanotechnology: PR: EEL 3123C or C.I. Human Physiology, Bioelectric Phenomena and Neurons, Nanoelectronics for fabrication of biochips for human biomedical applications, self-assembly, bioelectronics, moral and ethical issues. *Spring.*

BOT 3018C COS-BIOL 3(1,2)
Culinary Botany Across the Cultures: PR: BOT 3802, Junior standing, or C.I. Cultural food traditions and the connections between plants, people and health; examines the preparation methods that enhance the nutritional values. *Occasional.* M&S fee \$9.50

BOT 3152C COS-BIOL 3(1,4)
Local Flora: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Recognition and identification of Florida higher plants, especially those common to central Florida, stressing environmental and ethnobotanical significance. Weekend field trips may be required. *Occasional.*

BOT 3802 COS-BIOL 3(3,0)
Ethnobotany: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Historical and modern uses of plants economically important in various cultures. *Spring.*

BOT 4223C COS-BIOL 4(3,3)
Plant Anatomy: PR: BOT 3802, or C.I. A study of development, structure and function of the principal organs and tissue of vascular plants. *Occasional.* M&S fee \$15.00

BOT 4303C COS-BIOL 5(3,6)
Plant Kingdom: PR: BOT 3802, or C.I. A survey of the plant kingdom utilizing comparative morphology, structure and functions to demonstrate relationships among extant and extinct forms. *Occasional.* M&S fee \$40.00

BOT 4434C COM-M&M 4(3,1)
General Mycology: PR: BSC 2010C, MCB 3020C or BSC 2011C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, genetics, physiology, practical applications and pathogenicity. *Occasional.* M&S fee \$42.00

BOT 4503 COS-BIOL 3(3,0)
Plant Physiology: PR: A "C" (2.0) or better in PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment. *Occasional.*

BOT 4713C COS-BIOL 5(3,6)
Plant Taxonomy: PR: BOT 3802, or C.I. Systematic classification and identification of vascular plants, with emphasis on the flora of peninsular Florida. *Occasional.* M&S fee \$45.00

BOT 4850 COS-BIOL 3(3,0)
Medicinal Botany: PR: PCB 3522 or a "C" (2.0) or better in PCB 3023, or C.I. The medicinal properties of plants and their role in both traditional and modern medicine; history of herbal medicine and alternative medicinal practices around the world. *Even Fall.*

BSC 1005 COS-BIOL 3(3,0)
Biological Principles: A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. *Fall, Spring.*

BSC 1005L COS-BIOL 1(0,2)
Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. *Fall, Spring.* M&S fee \$15.00

BSC 1050 COS-BIOL 3(3,0)
Biology and Environment: Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Designed for non-majors. *Occasional.*

BSC 2010C COS-BIOL 4(3,2)
Biology I: PR: High school biology or C.I. Open only to students whose major requires this specific course. Cellular and chemical basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. *Fall, Spring.* M&S fee \$2.00

BSC 2010C COS-BIOL 4(3,3)
Honors General Biology: PR: Permission of Honors. Priority given to students whose major requires this course. Basic principles and unifying concepts of modern biology. Introduction to quantitative experimentation using intensive, open-ended labs. *Fall, Spring.* M&S fee \$24.00

BSC 2011C COS-BIOL 4(3,3)
Biology II: PR: A "C" (2.0) or better in BSC 2010C or C.I. Preference will be given to students whose program requires this course. Continuation of BSC 2010C. Organismal anatomy and physiology as it relates to biodiversity, ecology and evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. *Fall, Spring.* M&S fee \$2.00

BSC 3052 COS-BIOL 3(3,0)
Conservation Biology: PR: or CR: A minimum grade of "C" (2.0) in PCB 3044 or CI. Science, history and principles of conservation biology. *Occasional.*



BSC 3312 COS-BIOL 3(3,0)
Principles of Marine Biology: PR: A minimum grade of "C" (2.0) in both BSC 2010C and BSC 2011C. Provides students with a foundation in the field of marine biology using a global perspective. *Even Fall.*

BSC 3403C COM-M&M 4(3,4)
Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. *Fall, Spring.* M&S fee \$59.00

BSC 3403C COM-M&M 4(3,4)
Honors Quantitative Biological Methods: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. *Fall.*

BSC 3424 COM-M&M 3(3,0)
Nanobiotechnology: PR: MCB 1310, and either CHM 2046 or PHY 2054C. Biological processes in nano scale interactions with elements of physics & engineering. *Occasional.*

BSC 3843L COS-BIOL 2(0,2)
Strategies for Biology Academic Mentoring: PR: Junior or senior standing. Review research findings, theory, models and techniques of academic counseling and career advising. Graded S/U. May be used in the degree program a maximum of 2 times. *Occasional.*

BSC 3949 COS-BIOL 0(0,8)
Cooperative Education in Biology: PR: Departmental permission required before registering. Cooperative education experience in biology. Graded S/U. May be repeated. *Occasional.*

BSC 4312C COS-BIOL 4(3,3)
Advanced Marine Biology: PR: BSC 3312 and a "C" (2.0) or better in PCB 3044. An advanced treatment of current issues in marine biology, emphasizing biodiversity and marine conservation through research, service-learning and field experiences. *Even Spring.* M&S fee \$45.00

BSC 4330 COS-BIOL 3(3,0)
Invasion Biology: PR: A "C" (2.0) or better in PCB 3044, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions. *Even Spring.*

BSC 4422L COS-BIOL 1-4(0,3-12)
Biology Laboratory Techniques: PR: CHM 2210 and a "C" (2.0) or better in PCB 3044, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical Biology laboratories. Graded S/U. May be repeated for credit. *Occasional.*

BSC 4434 COM-M&M 3(3,0)
Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. *Fall.*

BSC 4439 COM-M&M 3(3,0)
Biomedical Informatics: Structure Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. *Spring.*

BSC 4821 COS-BIOL 4(4,0)
Biogeography: PR: A "C" (2.0) or better in both PCB 3044 and PCB 4683, or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. *Occasional.*

BSC 4861L COS-BIOL 3(0,3)
SL Sustainability: Socially & Economically Viable Environmental Protection: PR: A "C" (2.0) or better in BSC 2010C or C.I. A service-learning course utilizing an interdisciplinary approach to developing models and implementing programs designed to result in environmental sustainability. *Occasional.*

BSC 4937 COS-BIOL 2(0,2)
Instructional Experiences in Undergraduate Biology: PR: PCB 3063, Biology major with 80 semester hours and 3.0 GPA. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in variety of university biology labs. Graded S/U. May be repeated for credit. *Fall, Spring.*

BSC 5258L COS-BIOL 3(0,3)
Tropical Biology Research and Conservation: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. *Occasional.*

BSC 5316 COS-BIOL 3(3,0)
Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. *Odd Spring.*

BSC 5332 COS-BIOL 3(3,0)
Invasion Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. *Even Spring.*

BSC 5408L COS-BIOL 3(0,9)
Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those biological techniques and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. *Occasional.* M&S fee \$15.00

BSC 5418 COM-M&M 3(3,0)
Tissue Engineering: PR: Graduate standing. Introduction to Tissue Engineering with a special emphasis on the current status of the field, on novel methods and on cell biomaterial interactions. *Occasional.*

BSC 5436 COM-M&M 3(3,0)
Biomedical Informatics: Structure Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. *Fall.*

BSC 5618 COS-BIOL 3(3,0)
Phylogenetic Approaches in Biological Research: PR: Admission to Biology Department graduate program or C.I. A multidisciplinary approach to understanding evolutionary relationships among organisms using phylogenetic information to address important questions in biology. *Even Fall.*

BSC 5824 COS-BIOL 4(4,0)
Biogeography: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of geographic variation in nature, ranging from past to present and from genes to ecosystems. *Occasional.* M&S fee \$15.00

BTE 4410 ED-E&HS 3(3,0)
Course Construction in Business Education: PR: ECT 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the workforce frameworks. Planning and preparation of materials, managing the laboratory and involvement in career & technical student organizations. *Occasional.*

BUL 3130 BA-ACCT 4(4,0)
Legal and Ethical Environment of Business: PR: Junior standing and business major or minor. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. *Fall, Spring.*

BUL 3130H BA-ACCT 4(4,0)
Honors Legal & Ethical Environment of Business: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. *Occasional.*

BUL 4540 BA-MAN 3(3,0)
Employment Law: PR: Management major or minor, MAN 3025 and MAN 3301. An examination of current employment law and issues/trends in the legal environment impacting human resource management system design, HRM policy and employee relations. *Fall.*

BUL 5332 BA-ACCT 3(3,0)
Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation, BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. *Fall, Spring.*

BUL 5810 BA-ACCT 3(3,0)
Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. *Occasional.*

CAP 4053 ECS-CS 3(3,0)
AI for Game Programming: PR: COT 3960 or COP 3502C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. *Spring.*

CAP 4104 ECS-CS 3(3,0)
Human and Technology Interaction: PR: COP 3330 and COP 3502C. Perceptual, cognitive, affective, social, organizational, commercial, and cultural factors. Disciplines, techniques and methodologies. Web, mobiles, and wearables. Embodied conversational agents. Elderly, disabled and special needs. *Fall.*

CAP 4453 ECS-CS 3(3,0)
Robot Vision: PR: COP 3503C and MAC 2312, or C.I. Perspective and orthographic projections; the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. *Fall, Spring.*

CAP 4630 ECS-CS 3(3,0)
Artificial Intelligence: PR: COP 3503C and COT 3960. Current methods in AI: knowledge-based systems, representation, inference, planning, natural language. Programming in Lisp or Prolog required. *Fall.*

CAP 4720 ECS-CS 3(3,0)
Computer Graphics: PR: COP 3503C and COT 3960 and MAC 2147 or equivalent. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics API. *Occasional.*

CAP 5015 ECS-CS 3(3,0)
Multimedia Compression on the Internet: PR: Seniors and graduate students with interest in internet technology. Multimedia data; internet technology; entropy; compression methods; lossy compression; vector quantization; transform coding; wavelet video compression; model based compression. *Occasional.*

CAP 5055 ECS-CS 3(3,0)
AI for Game Programming: PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. *Spring.*

CAP 5066 ECS-CS 3(3,0)
Web Application Authoring Tools: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining websites, and methodologies for; determining which tool is best suited for a particular application environment. *Fall.*

CAP 5100 ECS-CS 3(3,0)
Human-Computer Interface Design: PR: COP 4331C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. *Fall.*

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CAP 5415 ECS-CS 3(3,0)
Computer Vision: PR: COP 3503C, MAC 2312 and COT 3960. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. *Fall*.

CAP 5510 ECS-CS 3(3,0)
Bioinformatics: PR: Background in programming language or molecular biology. This course introduces problems, concepts, algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. *Occasional*.

CAP 5512 ECS-CS 3(3,0)
Evolutionary Computation: PR: CAP 4630 or COP 3503C or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. *Spring*.

CAP 5610 ECS-CS 3(3,0)
Machine Learning: PR: CAP 4630 or C.I. Origin/evaluation of machine intelligence; machine learning concepts and their applications in problem solving, planning and "expert systems" symbolic role of human and computers. *Occasional*.

CAP 5636 ECS-CS 3(3,0)
Advanced Artificial Intelligence: PR: CAP 4630. AI theory of knowledge representation, "expert systems", memory organization, problem solving, learning, planning, vision, and natural language. *Fall*.

CAP 5725 ECS-CS 3(3,0)
Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphic systems. *Spring*.

CCE 4003 ECS-CECE 3(3,0)
Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, EGN 3310 all with a grade of "C" (2.0) or better; CR: CWR 3201. Project delivery systems, construction contracts; estimating and scheduling; ethics and labor issues. Multi-disciplinary experience in engineering. *Fall, Spring*.

CCE 4004 ECS-CECE 3(3,0)
Construction Methods: PR: CES 4100C with a grade of "C" (2.0) or better. Construction methods for civil and structural systems, design of temporary structures, safety, and building codes. *Spring*.

CCE 4034 ECS-CECE 3(3,0)
Construction Estimating and Scheduling: PR: CCE 4003 with a grade of "C" (2.0) or better. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. *Fall*.

CCE 4402 ECS-CECE 3(3,0)
Construction Equipment and Productivity: PR: CCE 4003, CWR 3201 both with a grade of "C" (2.0) or better. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. *Spring*.

CCE 4810C ECS-CECE 3(2,2)
Construction Design Project: PR: CCE 4034, CCE 4004, CCE 4813 all with a grade of "C" (2.0) or better, and department consent; CR: CCE 4402. The preparation and development of a proposal and plan for a construction project, including construction engineering systems, site facilities, construction methods, coordination, leadership, and control. *Fall, Spring*.

CCE 4813 ECS-CECE 4(4,0)
Mechanical and Electrical Systems for Buildings: PR: CCE 4003, PHY 2049C, CWR 3201 all with grades of "C" (2.0) or better. Design and construction of mechanical and electrical systems for buildings. *Fall*.

CCE 5006 ECS-CECE 3(3,0)
Infrastructure Systems Management: PR: CCE 4004 and CCE 4034, or C.I. Essential elements of infrastructure systems and cover concepts, methods, and technologies essential for infrastructure life cycle engineering and management. *Fall, Spring*.

CCE 5205 ECS-CECE 3(3,0)
Decision Support for Infrastructure Projects: PR: CCE 4004 and CCE 4034, or C.I. Infrastructure decision-making theories, data representation for decision analysis, advanced methods in decision-making, and applications of decision support systems in infrastructure projects. *Fall, Spring*.

CCE 5220 ECS-CECE 3(3,0)
Green Design and Construction: PR: CCE 4004. Introduction of sustainability concepts as they relate to construction design and delivery. Topics include Leadership in Energy and Environmental Design (LEED) categories, economic analysis, and integrated project management. *Odd Spring*.

CCJ 3014 HPA-CJ 3(3,0)
Crime in America: PR: Sophomore standing and ENC 1102. A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. *Fall, Spring*.

CCJ 3024 HPA-CJ 3(3,0)
Criminal Justice System: PR: Sophomore standing and ENC 1102. An examination of the components and of their interdependence in light of their traditional autonomy. *Fall, Spring*.

CCJ 3450 HPA-CJ 3(3,0)
The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. *Occasional*.

CCJ 3451 HPA-CJ 3(3,0)
Justice System Technology: PR: CCJ 3024 or C.I. Examination of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. *Occasional*.

CCJ 3483 HPA-CJ 4(4,0)
Labor Relations in Criminal Justice: PR: CCJ 3024 and CCJ 3450 or C.I. Examine the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. *Occasional*.

CCJ 3667 HPA-CJ 3(3,0)
Victims and the CJ System: PR: CCJ 3024 or declared Victim Advocacy Certificate or C.I. Course examines Victims as they affect the Criminal Justice system, the dimensions of criminal victimization, and victim offender programs. *Occasional*.

CCJ 4035 HPA-CJ 3(3,0)
Crime and the Media: PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. *Fall, Spring*.

CCJ 4054 HPA-CJ 3(3,0)
Criminal Justice Ethics: PR: Junior Standing. Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). *Occasional*.

CCJ 4064 HPA-CJ 3(3,0)
Criminal Justice Dimensions of Genocide: PR: CCJ 3014 or C.I. Elements of Criminal Justice approach to genocide, including theories, precursors, case studies, organization, legal outcomes, and criminal justice majors' roles in studying and preventing genocide. *Occasional*.

CCJ 4076 HPA-CJ 3(3,0)
Crime Intelligence and Investigative Support Analysis: PR: Junior Standing. Provides an understanding of basic crime intelligence and investigative support analytical tools and information management systems employed to assist law enforcement. *Occasional*.

CCJ 4129 HPA-CJ 3(3,0)
Cultural Diversity in Criminal Justice: PR: CCJ 3024 or (declared Victim Advocacy Certificate & Junior Standing) or C.I. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. *Occasional*.

CCJ 4195 HPA-CJ 3(3,0)
Interviews & Interrogations in CJ: PR: CCJ 3024 or (Criminal Profiling or Crime Scene Investigation certificate declared & Junior standing) or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of testimonial evidence. *Fall, Spring*.

CCJ 4296 HPA-CJ 3(3,0)
Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. *Occasional*.

CCJ 4361 HPA-CJ 3(3,0)
Death Penalty: PR: Sophomore standing and ENC 1102. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. *Occasional*.

CCJ 4641 HPA-CJ 3(3,0)
Organized Crime: PR: Sophomore standing and ENC 1102. An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. *Occasional*.

CCJ 4644 HPA-CJ 3(3,0)
White Collar Crime: PR: CCJ 3014 or C.I. Classic definitions and statements on white collar crime concepts, concepts and criminal activities, types of fraud, investigations, environmental crime, and corporate crime. *Occasional*.

CCJ 4651 HPA-CJ 3(3,0)
Drugs and Crime: PR: Sophomore standing and ENC 1102. Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. *Fall, Spring*.

CCJ 4670 HPA-CJ 3(3,0)
Women and Crime: PR: Sophomore standing and ENC 1102. This course covers women in criminal justice as offenders and prisoners, as well as crime victims and professionals working in the system. *Occasional*.

CCJ 4677 HPA-CJ 3(3,0)
Human Rights and Criminal Justice: PR: CCJ 3024 or C.I. In-depth analysis of human rights movement and its potential impact upon criminal law, as well as the juvenile and criminal justice system. *Occasional*.

CCJ 4681 HPA-CJ 3(3,0)
Domestic Violence and the Justice System: PR: CCJ 3024 or (declared Victim Advocacy Certificate & Junior standing) or C.I. Study of the nature and causes of forms of domestic violence, pertaining to laws, prevention strategies, and justice system response. *Occasional*.

CCJ 4690 HPA-CJ 3(3,0)
Sex Offenders and the Criminal Justice System: PR: (Junior standing and CCJ 3024 and CJ majors) or (Junior standing and Criminal Profiling or Victim Advocacy certificate declared) or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. *Fall, Spring*.

CCJ 4701 HPA-CJ 3(3,0)
Research Methods in Criminal Justice: PR: Junior standing and (CCJ 3014 or CCJ 3024). Overview of the social science research methodology used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. *Fall, Spring*.

CCJ 4746 HPA-CJ 3(3,0)
Data Analysis for Criminal Justice: PR: CCJ 4701 or C.I. Analytical methods useful for examining the types of data most often encountered in criminal justice research and develops the knowledge and understanding necessary to comprehend and interpret basic statistics in criminal justice research, literature and reports. *Fall, Spring*.

CCJ 4934 HPA-CJ 1-3(1-3,0)
Emergent Criminal Justice Issues: PR: Sophomore Standing and ENC 1102. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit. *Occasional*.



CCJ 5015 HPA-CJ 3(3,0)
The Nature of Crime: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. This course provides an overview of major dimensions of crime in the U.S.; epidemiology of crime, costs of crime, and typologies of crime and criminals. *Occasional.*

CCJ 5456 HPA-CJ 3(3,0)
The Administration of Justice: PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.I. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. *Fall, Spring.*

CCJ 5931 HPA-CJ 3(3,0)
Contemporary Criminal Justice Strategies: PR: Graduate standing or C.I. Graduate level analysis of contemporary crime issues and the reactions of the criminal justice system to combat those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. *Occasional.*

CCJ 5934 HPA-CJ 1(1,0)
Criminal Justice Investigative Process: PR: Graduate standing or C.I. Advanced seminar providing students with a broad view of how the criminal justice investigative process operates. Focus on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 3 times only when course content is different. *Occasional.*

CDA 3103 ECS-CS 3(3,0)
Computer Logic and Organization: PR: COP 3223; CR: COT 3100C or MHF 3302 or MAD 2104. Logic design, computer arithmetic, Instruction Set Architecture (MIPS, SPIM simulator), performance, data path, control unit, memory hierarchy, I/O interface. *Fall, Spring.*

CDA 5106 ECS-CS 3(3,0)
Advanced Computer Architecture: PR: EEL 4768C. Modern processor design, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O. *Fall, Spring.*

CDA 5110 ECS-CS 3(3,0)
Parallel Architecture and Algorithms: PR: COT 4210, CDA 5106. General-purpose vs. special-purpose parallel computers; arrays, message-passing; shared-memory; taxonomy; parallelization techniques; communication synchronization and granularity; parallel data structures; automatic program restructuring. *Occasional.*

CEG 4011C ECS-CECE 4(3,2)
Geotechnical Engineering I: PR: EGN 3331, CWR 3201 both with a grade of "C" (2.0) or better. Engineering properties and classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. Foundation considerations and bearing capacity. *Fall, Spring.* M&S fee \$21.00

CEG 4012 ECS-CECE 3(3,0)
Geotechnical Engineering II: PR: CEG 4011C with a grade of "C" (2.0) or better. Consolidation, shear strength, earth pressures and retaining walls, bearing capacity and slope stability. *Fall, Spring.*

CEG 4801C ECS-CECE 3(2,2)
Geotechnical Engineering Design: PR: CEG 4011C with a grade of "C" (2.0) or better and department consent. Project course on design of foundations and other soil structures using geotechnical design methodologies. *Fall, Spring.* M&S fee \$14.00

CEG 5405 ECS-CECE 3(3,0)
Seepage in Soils: PR: CEG 4011C. Principles of flow through soils; flow nets, analytical solutions; seepage forces, design of filters and drainage layers; dewatering, drainage in dams, embankments, and pavement systems. *Even Spring.*

CEG 5700 ECS-CECE 3(3,0)
Geo-Environmental Engineering: PR: CEG 4011C. Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater contaminate transport, geosynthetics and stability of landfill design, control of contaminated sites. *Occasional.*

CEN 3024 ECS-ECS 3(3,0)
Software Development I: PR: COP 3330 or C.I. Software development concepts are introduced in the context of hands-on project implementation. SDLC, version control, design with UML, documentation, testing, 2&3-tier architecture. *Spring.*

CEN 4025 ECS-ECS 3(3,0)
Software Development II: PR: CEN 3024 or C.I. A continuation of Software Development I with larger and more complex projects. Enterprise-level applications are covered including distributed and web-based systems using n-tier architecture. *Fall.*

CEN 4333 ECS-ECS 3(3,0)
Advanced Database Development: PR: COP 3330 or C.I. Professional-level database access from object-oriented systems, including complex SQL queries and stored procedures. Use of object-relational frameworks. Hands-on exercises with current RDBMS software. *Spring.*

CEN 4802 ECS-ECS 3(3,0)
Software Integration, Configuration, and Testing: PR: CEN 3024 or equivalent or C.I. Addresses approaches and issues associated with integration of software subsystems and components into one system to ensure that the subsystems function together. *Spring.*

CEN 4910 ECS-ECS 3(3,0)
Software Development Project: PR: CEN 4025 or C.I. A software development project using the skills acquired from Software Development I & II. Working in teams, students develop a software system, simulating an industry experience. *Spring.*

CEN 5016 ECS-CS 3(3,0)
Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. *Spring.*

CEN 5077 ECS-CS 3(3,0)
Web Application Testing: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Test design strategies, patterns and tools. Metrics. Client-server and wireless applications testing. Automated testing. Quality assurance. Performance, security, and usability analysis. Cross site scripting tests. *Occasional.*

CEN 5326 ECS-CS 3(3,0)
Web Server Configuration and Maintenance: PR: COP 3502C, CNT 3004, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. *Occasional.*

CES 4100C ECS-CECE 4(3,3)
Structural Analysis I and Lab: PR: EGN 3331 with a grade of "C" (2.0) or better. Topics in structural mechanics, analysis of determinate and indeterminate structures by flexibility and stiffness methods computer and laboratory exercises on behavior of structures and materials. *Fall, Spring.* M&S fee \$21.00

CES 4605 ECS-CECE 3(3,0)
Steel Structures: PR: CES 4100C with a grade of "C" (2.0) or better. Design of structural steel members and buildings; emphasis on AISC-ASD building code; introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. *Fall, Spring.*

CES 4702 ECS-CECE 3(3,0)
Reinforced Concrete Structures: PR: CES 4100C with a grade of "C" (2.0) or better. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. *Fall, Spring.*

CES 4743C ECS-CECE 3(2,2)
Structural Design: PR: CES 4605 and CES 4702 both with grade of "C" (2.0) or better and department consent. This course prepares students for real life structural design with the fundamentals and applications of both steel and concrete analysis and design at the member and system level. *Fall, Spring.* M&S fee \$24.00

CES 5144 ECS-CECE 3(3,0)
Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Implementation of the matrix methods for structural analysis that are commonly and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. *Even Fall.*

CES 5325 ECS-CECE 3(3,0)
Bridge Engineering: PR: CES 4605 and CES 4702 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications, Bridge rating, and introduction to Bridge health monitoring. *Occasional.*

CES 5606 ECS-CECE 3(3,0)
Advanced Steel Structures: PR: CES 4605. Behavior and design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stability of compression members, laterally unsupported beams, frames, and beam columns. *Occasional.*

CES 5706 ECS-CECE 3(3,0)
Advanced Reinforced Concrete: PR: CES 4702 or C.I. Design of frames, two-way floor systems, shear walls; shear and torsion; compression field theory; inelastic analysis; wind and seismic design; introduction to prestressed concrete. *Occasional.*

CES 5821 ECS-CECE 3(3,0)
Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. *Occasional.*

CET 2364 ECS-ECS 3(3,0)
Systems Applications in C/C++: PR: MAC 1105C or C.I. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. Introduction to programming techniques and the C/C++ programming languages. *Fall, Spring.*

CET 3010 ECS-ECS 3(3,0)
Introduction to Information Technology: PR: MAC 1105C. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. *Fall, Spring.*

CET 3383 ECS-ECS 3(3,0)
Applied Systems Analysis I: PR: Approved programming course or C.I. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. *Spring.*

CET 4427 ECS-ECS 3(3,0)
Applied Database I: PR: Approved programming course or C.I. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. *Fall.*

CET 4483 ECS-ECS 3(3,0)
Intro to Local Area Network Technology: PR: Approved programming course or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. *Fall.*

CET 4505 ECS-ECS 3(3,0)
Applied Operating Systems I: PR: CET 2364. Modifying the operating systems to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. *Fall.*

CET 4663 ECS-ECS 3(3,0)
Computer and Network Security: PR: CET 4483, MAC 1105C. Fundamentals of computer security technology, including cryptography, authentication, digital signatures, and network security tools and applications. *Fall.*

CET 4748 ECS-ECS 3(3,0)
Wide Area Networks I: PR: CET 4483 or C.I. Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results. *Fall.*

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CET 4749 ECS-ECS 3(3,0)
Wide Area Networks II: PR: CET 4748. Traffic and cost generators. Access network design. Multi-speed access designs. Multilocal-access and mesh network design. *Spring*.

CGN 3501C ECS-CECE 3(2,3)
Civil Engineering Materials: PR: EGN 3331, CHS 1440 or CHM 2045C each with a grade of "C" (2.0) or better. The characterization of materials used in civil engineering works to include concrete, bituminous polymers and composite materials. *Fall, Spring*. M&S fee \$30.00

CGN 3700C ECS-CECE 4(3,2)
Civil Engineering Measurements: PR: MAC 2312 and PHY 2049C both with a grade of "C" (2.0) or better. This course covers engineering measurement, data analysis, hardware of experiments including electronics, system components, and calibration, with specific applications in civil engineering. *Spring*. M&S fee \$30.00

CGN 4808C ECS-CECE 3(2,2)
CECE Capstone Design: PR: "C" (2.0) or better in a previous CECE design course and department consent. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. *Fall, Spring*.

CGN 5506C ECS-CECE 3(2,2)
Asphalt Concrete Mix Design: PR: CEG 4011C. Properties of asphalt, aggregate and asphalt mixtures, Marshall mix design, Hveem mix design, pavement rehabilitation. *Occasional*.

CGS 1060C ECS-CS 3(2,2)
Introduction to Computers: Digital literacy, computer hardware, peripheral components, memory devices, effects of computers on society, application of computers. Not open to Computer Science majors. *Fall, Spring*.

CGS 2100C ECS-CS 3(2,1)
Computer Fundamentals for Business: Uses of computers and software in business, including business applications, commercial packages, and the internet. Not open to Computer Science majors. *Fall, Spring*.

CGS 2545C ECS-CS 3(2,1)
Database Concepts: PR: COP 2500C or high level programming course (C, Java, C#, C++). Entity-relation model, relational database managements systems, normal forms, performance or databases, report generation. *Fall, Spring*.

CGS 2585C ECS-CS 3(2,1)
Desktop/Internet Publishing: PR: COP 2500C or high level programming course (C, Java, C#, C++). Principles and techniques of page layout and formatting for documents and newsletters, presentation techniques, construction of web pages and design of integrated websites. *Occasional*.

CGS 3175 ECS-CS 3(3,0)
Internet Applications: PR: COP 2500C or high level programming course (C, Java, C#, C++). HTML coding, using images, sound and animation, advanced text formatting, forms and CGS scripts, introduction to javascript. *Fall, Spring*.

CGS 3269 ECS-CS 3(3,0)
Computer Architecture Concepts: PR: COP 2500C or high level programming course (C, Java, C#, C++). CPU organization, current computer architectures, network file servers. *Fall, Spring*.

CGS 3763 ECS-CS 3(3,0)
Operating System Concepts: PR: COP 2500C or high level programming course (C, Java, C#, C++). System calls, concept of processes, CPU scheduling, security issues, client server paradigms, and computer supported workgroups. *Occasional*.

CGS 4144 ECS-CS 3(3,0)
Introduction to Informatics: PR: CGS 3175 and HIM 3006. Computers and mechanical intelligence. The information society. Social and information networks. Technology and its applications. Information organization and structure. Human behavior and communication. *Occasional*.

CGS 5131 ECS-CS 3(3,0)
Computer Forensics I: Seizure and Examination of Computer Systems: PR: Computer literacy and C.I. Legal issues regarding seizure and chain of custody. Technical issues in acquiring computer evidence. Popular file systems are examined. Reporting issues in the legal system. *Fall*.

CHI 1120C CAH-LANG 4(3,1)
Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. *Fall*.

CHI 1120H CAH-LANG 4(4,0)
Honors Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to Chinese culture through the major language skills: Listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. *Occasional*.

CHI 1121C CAH-LANG 4(3,1)
Elementary Chinese Language and Civilization II: PR: CHI 1120C or equivalent. Continuation of CHI 1120C. *Spring*.

CHI 1121H CAH-LANG 4(4,0)
Honors Elementary Chinese Language and Civilization II: PR: Permission of Honors. Continuation of CHI 1121H. *Occasional*.

CHI 2200 CAH-LANG 3(3,0)
Intermediate Chinese I: PR: CHI 1121C or equivalent or C.I. Development of Chinese language skills at the intermediate level. *Fall, Spring*.

CHI 2201 CAH-LANG 3(3,0)
Intermediate Chinese II: PR: CHI 2200. Continuation of CHI 2200 with emphasis on Chinese cultures. *Fall, Spring*.

CHM 1020 COS-CHEM 3(3,0)
Concepts in Chemistry: PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. *Fall, Spring*.

CHM 1032 COS-CHEM 3(3,0)
General Chemistry: PR: MAC 1105C or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course. *Fall, Spring*.

CHM 1032L COS-CHEM 1(0,3)
General Chemistry Laboratory: PR: or CR: CHM 1032. Preference will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. *Fall, Spring*. M&S fee \$54.00

CHM 2040 COS-CHEM 3(3,0)
Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C recommended. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry. The "NC" grading policy applies to this course. *Fall, Spring*. M&S fee \$6.00

CHM 2041 COS-CHEM 3(3,0)
Chemistry Fundamentals IB: PR: CHM 2040 or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2040. Atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. *Fall, Spring*.

CHM 2045C COS-CHEM 4(3,1)
Chemistry Fundamentals I: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry, atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. *Fall, Spring*. M&S fee \$9.00

CHM 2045C COS-CHEM 4(3,1)
Honors Chemistry Fundamentals I: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Same as CHM 2045C with honors-level content. *Fall*. M&S fee \$9.00

CHM 2046 COS-CHEM 3(3,0)
Chemistry Fundamentals II: PR: "C" (2.0) grade or better in CHM 2045C or CHM 2041. Priority will be given to students whose major requires this course. Continuation of CHM 2045C or the CHM 2040 & CHM 2041 sequence. Inter molecular forces, solutions and colligative properties, equilibria, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. *Fall, Spring*.

CHM 2046C COS-CHEM 4(3,3)
Honors Chemistry Fundamentals II: PR: A "C" (2.0) or better in CHM 2045C and permission of Honors. Same as CHM 2046 and CHM 2046L with honors-level content. *Spring*. M&S fee \$35.00

CHM 2046L COS-CHEM 1(0,3)
Chemistry Fundamentals Laboratory: PR: or CR: CHM 2046. Priority will be given to students whose major requires this course. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. *Fall, Spring*. M&S fee \$45.00

CHM 2205 COS-CHEM 5(5,0)
Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemistry of functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. *Spring*.

CHM 2210 COS-CHEM 3(3,0)
Organic Chemistry I: PR: A "C" (2.0) or better in CHM 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. *Fall, Spring*.

CHM 2211 COS-CHEM 3(3,0)
Organic Chemistry II: PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. *Fall, Spring*.

CHM 2211L COS-CHEM 2(0,6)
Organic Laboratory Techniques I: PR: CHM 2210. Priority will be given to students whose major requires this course. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. *Fall, Spring*. M&S fee \$70.00

CHM 3120 COS-CHEM 3(3,0)
Analytical Chemistry: PR: CHM 2046, CHM 2046L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. *Fall, Spring*.



CHM 3120L COS-CHEM 1(0,3)
Analytical Chemistry Laboratory: PR: CHM 2046, CHM 2046L, and PR: or CR: CHM 3120. Experimental exercise of quantitative methods of analysis using titrimetric, gravimetric, potentiometric and photometric methods of analysis including statistical treatment of experimental data. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. *Fall, Spring.* M&S fee \$70.00

CHM 3215L COS-CHEM 2(0,6)
Organic Laboratory Techniques II: PR: CHM 2211 and CHM 2211L. Open-end laboratory to develop synthesis techniques and structure elucidation skills. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. *Fall.* M&S fee \$70.00

CHM 3410 COS-CHEM 4(3,1)
Physical Chemistry I: PR: CHM 2046, PHY 2049C, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. *Fall.*

CHM 3411 COS-CHEM 3(3,0)
Physical Chemistry II: PR: CHM 3410. Continuation of CHM 3410. *Spring.*

CHM 3411L COS-CHEM 2(0,6)
Physical Chemistry Laboratory: PR: CHM 3120 and CR: CHM 3411. Classical as well as modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. *Spring.* M&S fee \$70.00

CHM 3422 COS-CHEM 3(3,0)
Applied Physical Chemistry: PR: PHY 2049C and MAC 2312. Physical chemistry as applied to the study of biological and forensic science. *Fall.*

CHM 4130 COS-CHEM 3(3,0)
Advanced Analytical Laboratory Technique: PR: CHM 2211, CHM 3120 (with a minimum grade of "C" or 2.0) and CR: CHM 3411 or PR: CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. *Spring.*

CHM 4130L COS-CHEM 2(0,6)
Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. Experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. *Spring.* M&S fee \$70.00

CHM 4220 COS-CHEM 3(3,0)
Organic Chemistry III: PR: CHM 2211 or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. *Even Fall.*

CHM 4610 COS-CHEM 3(3,0)
Inorganic Chemistry: PR: or CR: CHM 3411. A discussion of descriptive inorganic chemistry based on various bonding theories, thermodynamics, and kinetics. *Spring.*

CHM 4610L COS-CHEM 2(0,6)
Inorganic Chemistry Laboratory: PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. *Fall.* M&S fee \$70.00

CHM 4914C COS-CHEM 1(1,1)
Undergraduate Research Methods: PR: CHM 2211 or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. *Fall, Spring.*

CHM 4930 COS-CHEM 1(1,0)
Chemistry Seminar I: PR: CHM 3120 or C.I. Student selects a topic and an advisor and prepares a draft seminar. *Fall, Spring.*

CHM 4931 COS-CHEM 1(1,0)
Chemistry Seminar II: PR: CHM 4930. Student improves the seminar prepared in CHM 4930 (or an approved alternative) and presents it to the Chemistry department. *Fall, Spring.*

CHM 5225 COS-CHEM 3(3,0)
Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. *Odd Fall.*

CHM 5235 COS-CHEM 3(3,0)
Applied Molecular Spectroscopy: PR: CHM 3120 and CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. *Occasional.*

CHM 5305 COS-CHEM 3(3,0)
Applied Biological Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. *Occasional.*

CHM 5450 COS-CHEM 3(3,0)
Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. *Even Fall.*

CHM 5451C COS-CHEM 3(1,5)
Techniques in Polymer Science: PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. *Odd Spring.* M&S fee \$45.00

CHM 5580 COS-CHEM 3(3,0)
Advanced Physical Chemistry: CR: CHM 3411 and PR: MAC 2313, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. *Occasional.*

CHM 5715C COS-CHEM 3(2,3)
Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. *Occasional.*

CHS 1440 COS-CHEM 4(3,1)
Fundamentals of Chemistry for Engineers: PR: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibria, electrochemistry and thermodynamics. The "NC" grading policy applies to this course. *Fall, Spring.*

CHS 3501 COS-CHEM 3(3,0)
Introduction to Forensic Science: PR: Preference will be given to students whose majors require this course. Intended for majors and non-majors to provide an overview of the specialty areas in the forensic crime lab. *Spring.*

CHS 3505C COS-CHEM 4(2,6)
Forensic Microscopy: PR: 'C' grade or better in CHM 2046 & L, and CHS 3501; and PR: or CR: PHY 2049C. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. *Fall.* M&S fee \$69.00

CHS 3511C COS-CHEM 4(2,6)
Trace Evidence: PR: 'C' grade or better in CHS 3505C & CHM 2211. An advanced study of the techniques used to identify and compare trace evidence. *Spring.* M&S fee \$45.00

CHS 3514C COS-CHEM 3(2,3)
Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analysis of evidence from a post blast bombing crime scene. May be repeated for credit. *Occasional.*

CHS 3530C COS-CHEM 4(3,3)
Forensic Analysis of Controlled Substances: PR: 'C' grade or better in CHM 2211, PR: or CR: CHS 3505C & CHM 3120, or C.I. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. *Fall.* M&S fee \$68.00

CHS 3533 COS-CHEM 2(2,0)
Forensic Biochemistry I: PR: 'C' or better in PCB 3063 and PCB 3233. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. *Fall.*

CHS 3533L COS-CHEM 1(0,3)
Forensic Biochemistry I Laboratory: PR: "C" (2.0) grade or better in BSC 2010C, PCB 3063, PCB 3063L, PCB 3233, PCB 3233L and PR: or CR: CHS 3533. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. *Fall.* M&S fee \$70.00

CHS 3540C COS-CHEM 2(1,3)
Fire and Debris Analysis I: PR: CHM 3120 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. *Occasional.*

CHS 3595 COS-CHEM 3(3,0)
Forensic Science in the Courtroom: PR: or CR: CHS 3501 or C.I., and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. *Spring.*

CHS 3949 COS-CHEM 0(0,8)
Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded S/U. May be repeated for credit. *Occasional.*

CHS 4506C COS-CHEM 3(2,3)
Forensic Investigation Technology: PR: A grade of "C" or better in CHS 3505C or C.I. Modern technology applied to forensic investigation. *Occasional.*

CHS 4515C COS-CHEM 4(2,6)
Forensic Crime Scene Investigation: PR: Grade of 'C' or better in CHS 3511C, or C.I. Procedures for the investigation of arson, explosives, and crime scenes. *Occasional.*

CHS 4534C COS-CHEM 3(1,6)
Forensic Biochemistry II: PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and genetic data analysis for evidence interpretation. *Spring.* M&S fee \$70.00

CHS 4537 COS-CHEM 2(2,0)
Forensic Laboratory Quality Assurance: PR: Grade of "C" or better in CHS 3501, CHS 3505C, and CHS 3533 or C.I. Concepts and principles of quality assurance and quality systems management in forensic laboratories. *Fall.*

CHS 4541C COS-CHEM 2(1,3)
Fire and Debris Analysis II: PR: CHS 3540C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. *Occasional.*

CHS 4591 COS-CHEM 4(0,40)
Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. May be repeated for credit. *Fall, Spring.*



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CHS 4615 COS-CHEM 3(3,0)
Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. *Odd Spring.*

CHS 5502 COS-CHEM 3(3,0)
Principles of Forensic Science: PR: Admission to Forensic Science MS program or C.I. Principles of forensic science crime scene investigation, concepts in physical and biological evidence, evidence collection and transport, discrimination and individualization of evidence. *Even Spring.*

CHS 5504 COS-CHEM 3(3,0)
Topics in Forensic Science: PR: Admission to Digital Forensics M.S. or Computer Forensics graduate certificate or C.I. History and current topics in Forensic Science. *Fall.*

CHS 5518 COS-CHEM 3(3,0)
The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. *Occasional.*

CHS 5596 COS-CHEM 3(3,0)
The Forensic Expert in the Courtroom: PR: CHS 3533, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. *Even Spring.*

CIS 3003 ECS-CS 3(3,0)
Fundamentals of Information Technology: PR: CGS 2545C and COP 3223. Pervasive themes in IT. Organizational issues. History of IT. IT and its related and informing disciplines. Application domains. Applications of math and statistics to IT. *Fall.*

CIS 3360 ECS-CS 3(3,0)
Security in Computing: PR: COP 3223 or EGN 3211 or CET 2364. Security theory. Legal and human factors, Malware, Intrusion patterns and tools, Windows, Unix, TCP/IP, and applications vulnerabilities. Detection. Policies and enforcement. Protection and assurance. *Occasional.*

CIS 3362 ECS-CS 3(3,0)
Cryptography and Information Security: PR: COP 3223 or EGN 3211 or CET 2364, and MAC 2147 or equivalent. Encryption algorithms and ciphers. Public and private keys. Key infrastructures. Authentication, confidentiality, integrity, and nonrepudiation. Digital signatures and certificates. Hash and digest algorithms. Standards. *Occasional.*

CIS 4004 ECS-CS 3(3,0)
Web-Based Information Technology: PR: CNT 3004 and COP 3330. Digital libraries. Media formats. Compression. Streaming Media. Mobile internet and WML. Emerging technologies. Capacity planning for web services. *Fall, Spring.*

CIS 4313 ECS-CS 3(3,0)
Managing IT Integration: PR: CIS 3003. Requirements, acquisition and sourcing. Integration. Project management. Testing and QA. Organizational context. Architecture. *Spring.*

CIS 4361 ECS-CS 3(3,0)
Secure Operating Systems and Administration: PR: CIS 3360; CR: COP 4600 or CGS 3763 or EEL 4882. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. *Occasional.*

CIS 4615 ECS-CS 3(3,0)
Secure Software Development and Assurance: PR: (COP 4600 or CGS 3763) and (CIS 3360 or CIS 3362) or C.I. Thread modeling, Secure code life-cycle, Buffer overflows, race conditions and format string problems, Inputs and clients, File system, Cryptography applications, UMLsec, Java security and Reverse engineering. *Occasional.*

CIS 5105 ECS-CS 3(3,0)
Capacity Planning and Performance Evaluation of Web Services: PR: COP 4600, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Web performance problems, basic performance concepts, quantitative models for web performance, planning the capacity of web services, understanding and characterizing the workload, measuring performance. *Occasional.*

CIS 5378 ECS-CS 3(3,0)
Designing Secure Transactions in Web Applications: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Secure electronic commerce, data indirection, shell command injection, cross-site scripting, Web Trojans, symmetric encryption, security protocols, application vulnerabilities, threats and hackers. *Spring.*

CJC 3010 HPA-CJ 3(3,0)
Corrections and Penology: PR: CCJ 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. *Fall, Spring.*

CJC 3134 HPA-CJ 3(3,0)
Prisons and jails: PR: CJC 3010. An overview and analysis of issues in institutional corrections, focusing on prison and jail history, inmates, guards, administration and management, and programming. *Occasional.*

CJC 3164 HPA-CJ 3(3,0)
Community-Based Corrections: PR: CCJ 3024 and CJC 3010 or C.I. An overview and analysis of correction interventions and treatment programs in the community. *Occasional.*

CJC 4410 HPA-CJ 3(3,0)
Correctional Interventions in Criminal Justice: PR: Junior Standing and CJC 3010. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. *Occasional.*

CJC 5020 HPA-CJ 3(3,0)
Foundations of Corrections: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. *Occasional.*

CJE 3001 HPA-CJ 3(3,0)
Careers in Criminal Justice: PR: Sophomore Standing and ENC 1102. Introductory course with focus on components of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. *Fall, Spring.*

CJE 3444 HPA-CJ 3(3,0)
Crime Prevention: PR: Sophomore Standing and ENC 1102. An overview and analysis of crime prevention strategies used in the private and public sectors. *Fall, Spring.*

CJE 3662 HPA-CJ 3(3,0)
CJ Information Technology and Data Management: PR: (Sophomore Standing and CGS 1060C) or C.I. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. *Occasional.*

CJE 4012 HPA-CJ 3(3,0)
Criminal Profiling in Criminal Justice: PR: CCJ 3014 or (Criminal Profiling or Crime Scene Investigation Certificate declared and Junior Standing) or C.I. Examines criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. *Occasional.*

CJE 4014 HPA-CJ 3(3,0)
Police and Society: PR: CCJ 3024 or C.I. An examination of the varied roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. *Fall, Spring.*

CJE 4174 HPA-CJ 4(4,0)
Comparative Justice Systems: PR: CCJ 3024 and CJL 3510 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. *Occasional.*

CJE 4352 HPA-CJ 3(3,0)
Policy Development in Law Enforcement: PR: Sophomore Standing and ENC 1102. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. *Occasional.*

CJE 4410 HPA-CJ 3(3,0)
Community Policing: PR: Sophomore Standing and ENC 1102. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. *Occasional.*

CJE 4572 HPA-CJ 3(3,0)
Justice Agency Operations: PR: CCJ 3024 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. *Occasional.*

CJE 4610 HPA-CJ 3(3,0)
Criminal Investigation: PR: CJE 4014 or (Criminal Profiling or Crime Scene Investigation certificate declared) or C.I. Course acquaints students with basic Procedures used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. *Fall, Spring.*

CJE 4630 HPA-CJ 3(3,0)
Serial Murder and Criminal Justice: PR: Sophomore Standing and ENC 1102. Study of extent, types, and explanations of serial murder, and responses of the general public, law enforcement, and prosecution. *Occasional.*

CJE 4654 HPA-CJ 3(3,0)
Crime and Place: PR: CCJ 3024 or (Crime Analysis and Crime Mapping Certificate declared and Junior Standing) or C.I. Provides an understanding of how physical environmental features - the natural and built environment - influences crime events. *Occasional.*

CJE 4663 HPA-CJ 3(3,0)
Crime Mapping and Pattern Analysis: PR: CJE 3662 or C.I. Provides essential theoretical knowledge and hands on experience mapping crime and other spatial criminal justice data and analyzing crime patterns. *Occasional.*

CJE 5021 HPA-CJ 3(3,0)
Foundations of Law Enforcement: PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.I. Examines police role in modern society and law enforcement policy. *Occasional.*

CJJ 4564 HPA-CJ 3(3,0)
Juvenile Justice System: PR: (CCJ 3024 and CJ Majors) or Victim Advocacy Certificate declared or C.I. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. *Occasional.*

CJL 3110 HPA-CJ 3(3,0)
Criminal Law in Action: PR: Sophomore Standing and ENC 1102. Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. *Fall, Spring.*

CJL 3510 HPA-CJ 3(3,0)
Prosecution and Adjudication: PR: CCJ 3024 or C.I. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of charging, adjudicating, and sentencing defendants. *Fall, Spring.*

CJL 4010 HPA-CJ 3(3,0)
Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of various police decision-making stages; including stops and frisks; arrests; searches and seizures wiretappings; and, interrogations. *Occasional.*

CJL 4046 HPA-CJ 3(3,0)
Liability Issues in Criminal Justice: PR: CCJ 3024 or C.I. Student of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. *Occasional.*



CJL 4410 HPA-CJ 3(3,0)
Legal Aspects of the Criminal Court Process: PR: CJL 3510. The legal dimension of various criminal court decision making stages, including; bail; charging; preliminary hearing; grand jury; pretrial hearings plea hearings; trial; and, sentencing. *Occasional.*

CJL 4514 HPA-CJ 3(3,0)
Criminal Sentencing: PR: CCJ 3024, CJL 3510. Examines the myriad theoretical, empirical and operational issues involved in criminal sentencing policy in American society. *Occasional.*

CJL 5049 HPA-CJ 6(6,0)
International Perspectives on Law and Justice: PR: C.I. or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. *Occasional.*

CJT 3803 HPA-CJ 3(3,0)
Security Management: PR: SCC 3311 or C.I. Examination of a global security management environment impacted by downsizing a dramatically changing work force, religious extremism/terrorism, technological revolution and other challenges. *Occasional.*

CJT 3821 HPA-CJ 3(3,0)
Practical Security Applications: An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. *Occasional.*

CJT 4843 HPA-CJ 3(3,0)
Risk Management in Criminal Justice/Private Security: PR: SCC 3311 or C.I. This course examines the concept of risk management in a criminal justice context. *Occasional.*

CLP 3004 COS-PSYCH 3(3,0)
Behavioral Self Control: PR: PSY 2012. Application of behavioral and biofeedback techniques to self-regulation. *Occasional.*

CLP 3143 COS-PSYCH 3(3,0)
Abnormal Psychology: PR: PSY 2012. Classification, causation, and treatment of deviant patterns of behavior. *Fall, Spring.*

CLP 3143H COS-PSYCH 3(3,0)
Honors Abnormal Psychology: PR: PSY 2012 and PPE 3003C and consent of Honors. Classification, causation, and treatment of deviant patterns of behavior. With Honors content. *Spring.*

CLP 3184 COS-PSYCH 3(3,0)
Women's Mental Health: PR: PSY 2012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. *Occasional.*

CLP 3302 COS-PSYCH 3(3,0)
Clinical Psychology: PR: CLP 3143. An overview of approaches to psychopathology, methods of clinical assessment, and various approaches to individual and group counseling. *Fall, Spring.*

CLP 3413 COS-PSYCH 3(3,0)
Contemporary Behavior Therapy: PR: CLP 3143. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. *Occasional.*

CLP 3467C COS-PSYCH 3(2,2)
Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 2012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. *Occasional.*

CLP 4134 COS-PSYCH 3(3,0)
Childhood Psychopathology: PR: PSY 2012, CLP 3143, DEP 2004C. An in-depth survey of the prevalence, classification, symptoms, diagnosis, consequences, and treatments of disorders of infancy, childhood, and adolescence. *Fall, Odd Spring.*

CLP 4314 COS-PSYCH 3(3,0)
Health Psychology: PR: CLP 3143. Interactions between psychosocial and physical conditions, in prevention, diagnosis, intervention and health care delivery policy planning. Course will cover empirical phases for prevention, assessment and intervention approaches for these focal areas: cancer, chronic heart disease, diabetes, HIV disease, pain and stress. *Occasional.*

CLP 4390 COS-PSYCH 3(3,0)
Forensic Psychology: PR: PSY 2012 and SOP 3751. Clinical practice of psychology within the legal system, including forensic evaluation of competency/insanity, treatment, and criminal profiling. *Spring.*

CLP 5166 COS-PSYCH 3(3,0)
Advanced Abnormal Psychology: PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. *Occasional.*

CLP 5187 COS-PSYCH 3(3,0)
Mental Health and Aging: PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. *Occasional.*

CLT 3370 CAH-PHIL 3(3,0)
Classical Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2012, or LIT 2110. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. *Occasional.*

CLT 3378 CAH-PHIL 3(3,0)
Comparative Mythology: PR: ENC 1102 and either HUM 2230, REL 2300, WOH 2012, LIT 2120, or CLT 3370. Common themes found in the myths of various cultures; theories of their origins, meaning and value in human experience. *Occasional.*

CNT 3004 ECS-CS 3(3,0)
Computer Network Concepts: CR: EEL 3041. Network media, protocol, current and evolving standards for local, metropolitan, wide area and wireless networks. *Fall, Spring.*

CNT 4403 ECS-CS 3(3,0)
Network Security and Privacy: PR: (CNT 3004 or EEL 4781 or CNT 4704) and (CIS 3360 or CIS 3362) or C.I. Fundamentals of network security, protocols, secure applications, network intrusion detection, security policy, firewalls, and privacy issues. *Occasional.*

CNT 4603 ECS-CS 3(3,0)
System Administration and Maintenance: PR: CGS 3763. An examination of operating systems and applications installation, configuration, and maintenance, including client-server services, content management and deployment, server administration and management, and user/group management. *Fall, Spring.*

CNT 4703C ECS-CS 3(1,2)
Design and Implementation of Computer Communication Networks: PR: CNT 3004, COP 3502C, MAD 2104 or COT 3100C. Data communication networking technologies (TCP/IP, Ethernet, Gigabit Ethernet, ATM, Frame Relay), products (routers, switches, adapters, cabling). Base design and detailed configuration including hands-on exercises. *Fall, Spring.* M&S fee \$16.00

CNT 4704 ECS-CS 3(3,0)
Analysis of Computer Communication Networks: PR: COT 3100C, STA 2023, MAC 2312. Network design using layering. Introduces cabling, topology, architecture, hardware and software. Includes performance and control issues such as congestion control, error control, contention resolution. *Occasional.*

CNT 4714 ECS-CS 3(3,0)
Enterprise Computing: PR: CGS 3269, MAD 2104, COP 3330 and COP 3502C. Client-server architecture. Server-side scripting: Servlets, JSP, PHP. JDBC and MySQL database; connectivity. Multi-threaded Java applications. J2EE development. SSL., Event-driven programming. *Fall, Spring.*

CNT 5008 ECS-CS 3(3,0)
Computer Communication Networks Architecture: PR: EEL 4768C. Computer networks, layers, protocols and interfaces, local area networks networking. *Fall.*

COM 1000 COS-COMM 3(3,0)
Introduction to Communication: Survey course introducing students to theory, research, and practical principles associated with human communication in interpersonal, public, and professional contexts. *Fall, Spring.*

COM 3003 COS-COMM 3(3,0)
Exploring Human Communication: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. The variety of topics and contexts that human communication scholars examine, the theories that have emerged and the research that creates the theories. *Occasional.*

COM 3011C COS-COMM 3(1,2)
Communication and Human Relations: PR: or CR: COM 3311. Semantics; symbols and meaning and their relationship with human behavior. *Fall, Spring.*

COM 3013 COS-COMM 3(3,0)
Communication and the Family: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. The ways members of a family unit interact verbally and nonverbally to influence one another. *Fall, Spring.*

COM 3022 COS-COMM 3(3,0)
Health Communication: PR: SPC 1608, SPC 1603C, COM 1000, or C.I. Theories and research about the role communication plays in health. *Fall.*

COM 3110 COS-COMM 3(3,0)
Business and Professional Communication: PR: I/O, Ad-PR, or R-TV Majors or I/O Com Minors only, and one of the following: SPC 1608, SPC 1603C, or C.I. Theoretical and practical training in effective presentational speaking for business and professions. *Fall, Spring.*

COM 3110H COS-COMM 3(3,0)
Honors Business and Professional Communication: PR: Majors only, SPC 1608 or SPC 1603C or C.I. and consent of Honors. Theoretical and practical training in effective presentational speaking for business and professions. With Honors content. *Occasional.*

COM 3120 COS-COMM 3(3,0)
Organizational Communication: PR: or CR: COM 3311, or C.I. A study of communication functions and problems within the contexts of hierarchies. *Fall, Spring.*

COM 3311 COS-COMM 3(3,0)
Communication Research Methods: PR: STA 2014C and I-O Major or I-O Minor, or Human Communication major or Human Communication minor, or C.I. Research methods used in communication. Understanding and interpretation of original research emphasized. *Fall, Spring.*

COM 3330 COS-COMM 3(3,0)
Computer Mediated Communication: PR: CGS 1060C or CGS 2100C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. *Spring.*

COM 3332 COS-COMM 3(3,0)
Communication, Technology, and Change: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. *Fall, Spring.*

COM 3406 COS-COMM 3(3,0)
Role of Motivation in Communication: PR: or CR: COM 3311, or C.I. Motivation theories that directly affect the process of human communication. *Occasional.*



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COM 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. *Occasional.*

COM 4014 COS-COMM 3(3,0)
Gender Issues in Communication: PR: Junior Standing, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. *Fall, Spring.*

COM 4416 COS-COMM 3(3,0)
Terrorism and Communication: PR: One of the following: SPC 1603C, SPC 1608, COM 1000 or C.I. How terrorism is a communication process. How mass media, symbols, linguistic devices, e-terrorism, and theoretical dimensions play a role in terrorism. How communities respond to terrorist attacks. *Fall, Spring.*

COM 4461 COS-COMM 3(3,0)
Intercultural Communication: PR: Junior Standing, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Study of variables affecting messages and participants in intercultural contexts. *Fall, Spring.*

COM 4462 COS-COMM 3(3,0)
Conflict Management: PR: or CR: COM 3311, or C.I. The study of communication in everyday conflicts. *Fall, Spring.*

COM 4550 COS-COMM 3(3,0)
Health Communication Campaigns: PR: COM 3311. Strategies and effects of health communication campaigns aimed at informing and persuading audiences. *Spring.*

COP 2500C ECS-CS 4(3,1)
Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms, analysis and a survey of topics in CS. Not open to Computer Science majors. *Fall, Spring.*

COP 3223 ECS-CS 3(3,0)
Introduction to Programming with C: Equivalent to EGN 3211. Programming in C including arrays, pointer manipulation and use of standard C math and IO libraries. *Fall, Spring.*

COP 3223H ECS-CS 3(3,0)
Honors Introduction to Programming with C: PR: Consent of Honors. Programming with C including arrays, pointer manipulation and use of standard C math and IO libraries. With Honors content. *Fall.*

COP 3330 ECS-CS 3(3,0)
Object Oriented Programming: PR: COP 3223 or EGN 3211. Object oriented programming concepts (classes, objects, methods, encapsulating, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA. *Fall, Spring.*

COP 3402 ECS-CS 3(3,0)
Systems Software: PR: CDA 3103, COP 3502C. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. *Fall, Spring.*

COP 3502C ECS-CS 3(3,1)
Computer Science I: PR: (COP 3223 or EGN 3211) and MAC 1105C. Problem solving techniques, order analysis and notation, abstract data types, and recursion. *Fall, Spring.*

COP 3502H ECS-CS 3(3,0)
Honors Computer Science I: PR: Permission of Honors and (COP 3223 or EGN 3211) and MAC 1105C. Problem solving techniques, order analysis and notation, abstract data types, and recursion. *Spring.*

COP 3503C ECS-CS 3(3,1)
Computer Science II: PR: COP 3502C and COP 3330 and (MAD 2104 or COT 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. *Fall, Spring.*

COP 3503C ECS-CS 3(3,1)
Honors Computer Science II: PR: Permission of Honors and (COP 3502H or COP 3502C) and COP 3330 and (MAD 2104 or COT 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With honors content. *Fall.*

COP 4020 ECS-CS 3(3,0)
Programming Languages I: PR: COP 3503C and COT 3960. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms object-oriented, functional and logic programming are presented. *Fall, Spring.*

COP 4331C ECS-CS 3(3,1)
Processes for Object-Oriented Software Development: PR: COP 3503C, COT 3960 (Foundation Exam - for Computer Science students). Concepts, principles, processes and methods for developing large software systems featuring a team project using object-oriented design in UML and implementation in C++. *Fall, Spring.*

COP 4516C ECS-CS 3(1,3)
Problem Solving Techniques and Team Dynamics: PR: COP 3503C. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. *Occasional.*

COP 4520 ECS-CS 3(3,0)
Concepts of Parallel and Distributed Processing: PR: COP 3402 and COP 3503C and COT 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. *Occasional.*

COP 4600 ECS-CS 3(3,0)
Operating Systems: PR: COP 3402 and COP 3503C and COT 3960 for Computer Science students. Function and organization of operating systems, process management, virtual memory, I/O management, and file management. *Fall, Spring.*

COP 4610L ECS-CS 3(0,3)
Operating Systems Laboratory: PR: COP 3502C. Exercises in the configuration, development, management and analysis of operating systems; OS Kernel support for semaphores and multi-tasking; security in a distributed heterogeneous environment. *Fall, Spring.*

COP 4710 ECS-CS 3(3,0)
Database Systems: PR: COP 3503C. Storage and access Structures, database models and languages, related database design, and implementation techniques for database management systems. *Fall, Spring.*

COP 4910 ECS-CS 3(3,0)
Frontiers in Information Technology: PR: CNT 4603; CR: CNT 4703C. Research into leading edge information technologies that have a high likelihood of affecting the work place in the two to five year time frame. *Fall, Spring.*

COP 4934 ECS-CS 3(3,0)
Senior Design I: PR: COP 3402, COP 3503C, Consent of Department of EECS; CR: COP 4331C. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. *Fall, Spring.*

COP 4935 ECS-CS 3(3,0)
Senior Design II: PR: COP 4934. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. *Fall, Spring.*

COP 5021 ECS-CS 3(3,0)
Program Analysis: PR: COP 4020 and COT 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. *Even Spring.*

COP 5537 ECS-CS 3(3,0)
Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. *Fall.*

COP 5611 ECS-CS 3(3,0)
Operating Systems Design Principles: PR: COP 4600. Structure and functions of operating systems, process communication techniques, high-level concurrent programming, virtual memory systems, elementary queuing theory, security, distributed systems, case studies. *Spring.*

COP 5711 ECS-CS 3(3,0)
Parallel and Distributed Database Systems: PR: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems. *Occasional.*

COT 3100C ECS-CS 3(3,1)
Introduction to Discrete Structures: PR: MAC 1105C, MAC 1114C. Logic, sets, functions, relations, combinatorics, graphics, Boolean algebras, finite-state machines, Turing machines, unsolvability, computational complexity. *Fall, Spring.*

COT 3100H ECS-CS 3(3,0)
Honors Introduction to Discrete Structures: PR: Permission of Honors and MAC 1105C, MAC 1114C. Logic, sets, functions, relations, combinatorics, graphics, Boolean algebras, finite-state machines, Turing machines, unsolvability, computational complexity. *Occasional.*

COT 3960 ECS-CS 0(1,0)
CS Foundation Exam: PR: COP 3502C AND COT 3100C. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and upper-division 4000 and 5000 level CS electives. Graded S/U. *Fall, Spring.*

COT 4210 ECS-CS 3(3,0)
Discrete Structures II: PR: COP 3503C and COT 3960. Computation Theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages. *Fall, Spring.*

COT 4400 ECS-CS 3(3,0)
Tools for Algorithm Analysis: PR: COT 3960 and COP 3503C. Tools from discrete and continuous mathematics for analyzing complexity of algorithms. Order notation use and manipulation. *Occasional.*

COT 4500 ECS-CS 3(3,0)
Numerical Calculus: PR: MAC 2312 and COP 3223. Numerical methods for finding roots of nonlinear equations, solutions of systems of linear equations, and ordinary differential equations. *Occasional.*

COT 4810 ECS-CS 3(3,0)
Topics in Computer Science: PR: COP 3402 and COP 3503C and COT 3960. A range of topics from the field of Computer science; application of oral and written communication skills; social, ethical and moral issues of computing. *Fall, Spring.*

COT 5310 ECS-CS 3(3,0)
Formal Languages and Automata Theory: PR: COP 4020 and COT 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(K) grammars. *Fall, Spring.*

COT 5405 ECS-CS 3(3,0)
Design and Analysis of Algorithms: PR: COT 4210. Classification of algorithms, e.g., recursive, divide-and-conquer, greedy, etc. Data Structures and algorithm design and performance. Time and space complexity analysis. *Fall, Spring.*

CPO 3034 COS-POLS 3(3,0)
Politics of Developing Areas: PR: INR 2002 or C.I. Comparative analysis of theories, problems and politics of development in Third World nations. *Even Fall.*

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CPO 3103 COS-POLS 3(3,0)
Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. *Spring.*

CPO 3104 COS-POLS 3(3,0)
Politics of Western Europe: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1945 era. *Odd Spring.*

CPO 3132 COS-POLS 3(3,0)
Canadian Studies: PR: POS 2041 or C.I. A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. *Occasional.*

CPO 3403 COS-POLS 3(3,0)
Politics of the Middle East: PR: ENC 1102 or POS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. *Occasional.*

CPO 3403H COS-POLS 3(3,0)
Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content. *Occasional.*

CPO 3614 COS-POLS 3(3,0)
Politics of Eastern Europe: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. *Occasional.*

CPO 4062 COS-POLS 3(3,0)
Comparative Judicial Process: PR: ENC 1102 or POS 2041 or C.I. Study of courts and judges in cross national context. Focus upon judicial recruitment, decisional patterns, and policy outcomes. *Occasional.*

CPO 4074 COS-POLS 3(3,0)
Political Economy: PR: ENC 1102 or POS 2041 or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries. *Even Fall.*

CPO 4101 COS-POLS 3(3,0)
Politics of the European Union: PR: ENC 1102 or POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. *Spring.*

CPO 4123 COS-POLS 3(3,0)
Government and Politics of Great Britain: PR: ENC 1102 or POS 2041 or C.I. A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain's foreign policy and European role will be discussed. *Even Spring.*

CPO 4303 COS-POLS 3(3,0)
Comparative Latin American Politics: PR: ENC 1102 or POS 2041 or C.I. Comparative analysis of politics, society and culture in Latin America and selected countries of the region. *Even Fall.*

CPO 4445 COS-POLS 3(3,0)
Comparative Political Parties: PR: ENC 1102 or POS 2041 or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. *Occasional.*

CPO 4514 COS-POLS 3(3,0)
Politics of East Asia: PR: ENC 1102 or POS 2041 or C.I. Major trends in political, economic, and socio-cultural aspects in the East Asian region. *Occasional.*

CPO 4541 COS-POLS 3(3,0)
Chinese Politics: PR: ENC 1102 or POS 2041 or C.I. China's political development since 1949. *Occasional.*

CPO 4553 COS-POLS 3(3,0)
Politics of Japan: PR: ENC 1102 or POS 2041 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. *Occasional.*

CPO 4643 COS-POLS 3(3,0)
Government and Politics of Russia: PR: ENC 1102 or POS 2041 or C.I. Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. *Occasional.*

CPO 4710 COS-POLS 3(3,0)
Women in Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. A cross-national perspective on women and politics; how women behave politically in various political and economic contexts. *Occasional.*

CPO 4754 COS-POLS 3(3,0)
Comparative Political Institutions: PR: ENC 1102 or POS 2041 or C.I. The course analyzes major types of political institutions from a comparative perspective including electoral laws, division of power, types of democracy, federalism, and the judiciary. *Occasional.*

CPO 4784 COS-POLS 3(3,0)
Political and Economic Inequality in Comparative Perspective: PR: ENC 1102 or POS 2041 or C.I. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions. *Occasional.*

CPO 4794 COS-POLS 3(3,0)
Indigenous Politics and the Environment: PR: POS 2041 or C.I. Unique environmental politics specific to indigenous peoples around the world. *Occasional.*

CRW 3010H CAH-ENG 3(3,0)
Honors Creative Writing: PR: Honors GEP completion and permission of Honors. Theory and techniques of literary genres with honors level content; practice and critique of original writing by peers and critical reading of established authors. *Occasional.*

CRW 3011 CAH-ENG 3(3,0)
Creative Writing for Non-Majors: PR: Grade of C (2.0) or better required in ENC 1102. Only open to non-majors. The techniques of literary genres; the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. *Fall, Spring.*

CRW 3013 CAH-ENG 3(3,0)
Creative Writing for English Majors: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in ENC 1102, or C.I. Literary genres; practice and critique of peer writing; critical reading of established authors. *Fall, Spring.*

CRW 3053 CAH-ENG 3(3,0)
Theory & Practice of Creative Writing: PR: English major or minor, Junior standing, and a grade of "C" (2.0) or better in ENC 1102, or C.I. Examination of the genres and readings in contemporary creative writing with attention to literary technique, and discussion of issues in the field. *Fall, Spring.*

CRW 3120 CAH-ENG 3(3,0)
Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. *Fall, Spring.*

CRW 3211 CAH-ENG 3(3,0)
Creative Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Writers present original nonfiction writing for class response and individual conferences. Reading of key works of creative nonfiction with discussion of definitions of the genre. *Fall, Spring.*

CRW 3310 CAH-ENG 3(3,0)
Poetry Writing Workshop: PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. *Fall, Spring.*

CRW 3311 CAH-ENG 3(3,0)
Structure of Verse: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. *Occasional.*

CRW 3540 CAH-ENG 3(3,0)
Literary Magazines: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. *Occasional.*

CRW 3610 CAH-ENG 3(3,0)
Writing Scripts: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Theory and practice of writing scripts for film and TV. *Occasional.*

CRW 3713 CAH-ENG 3(3,0)
Writing for Video Games: PR: English major or minor, junior standing and grade of "C" (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Basic theories and practices associated with game design. Students learn effective writing techniques for developing original video games. *Occasional.*

CRW 3950 CAH-ENG 3(3,0)
Cypress Dome Editorship: PR: C.I. Responsibility for all aspects of editing The Cypress Dome-UCF's student literary journal. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

CRW 4014 CAH-ENG 3(3,0)
The Writing Life: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610 or C.I. Critical/non-fiction/craft works and fictional works by a series of authors. *Occasional.*

CRW 4114 CAH-ENG 3(3,0)
History of Prose Style: PR: English major or minor, junior standing, and grade of C (2.0) or better in CRW 3013, CRW 3053 or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. *Occasional.*

CRW 4122 CAH-ENG 3(3,0)
Advanced Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3120, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. *Fall, Spring.*

CRW 4123 CAH-ENG 3(3,0)
Science Fiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and CRW 3120, or C.I. Study of science fiction literature and writing of original science fiction stories. Workshop format with critique of writing assignments. *Occasional.*

CRW 4224 CAH-ENG 3(3,0)
Advanced Nonfiction Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and CRW 3211, or C.I. Intensive reading, writing, and workshop of creative nonfiction drawing on memory, observation, journalistic research, and literary techniques. *Fall, Spring.*

CRW 4320 CAH-ENG 3(3,0)
Advanced Poetry Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3310, or C.I. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. *Fall, Spring.*

CRW 4616 CAH-ENG 3(3,0)
Advanced Scriptwriting Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3610, or C.I. Intensive practice in writing scripts. Peer critique and group discussion of original manuscripts. *Fall, Spring.*



UCF Courses and Descriptions

CRW 4722 CAH-ENG 3(3,0)
Editing for Creative Writers: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610, or C.I. Overview of editing processes, the history and future of editing, issues and areas of literary and trade book publishing, and style through grammar and syntax. *Occasional.*

CRW 4724 CAH-ENG 3(3,0)
The Florida Review: PR: English major or minor, junior standing, and a grade of "C" (2.0) or better required in CRW 3013, CRW 3053, and C.I. Hands-on experience with all aspects of Florida Review publishing, editing, and production in conjunction with this national journal. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

CRW 4804 CAH-ENG 3(3,0)
Creative Writing in the Community: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and at least one of CRW 3120, CRW 3211, CRW 3310, or C.I. Teaching creative writing to community groups through service-learning. *Occasional.*

CRW 5020 CAH-ENG 3(3,0)
Graduate Writing Workshop: PR: Admission to Creative Writing MFA and C.I. Student writers present their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 5 times. *Fall, Odd Spring.*

CRW 5130 CAH-ENG 3(3,0)
Form and Theory in Creative Writing: PR: Admission to Creative Writing MFA or C.I. Formal and theoretical study of creative writing of given genre (poetry, short fiction, etc.). May be used in the degree program a maximum of 3 times. *Occasional.*

CRW 5948C CAH-ENG 3(2,1)
Creative Writing Service Learning: PR: Admission to Creative Writing MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. *Occasional.*

CWR 3201 ECS-CECE 3(3,0)
Engineering Fluid Mechanics: PR: MAP 2302, EGN 3310 both with a grade of "C" (2.0) or better; CR: EGN 3321. Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydrostatics, dimensional analysis, energy, momentum, continuity, and steady flow. *Fall, Spring.*

CWR 4632C ECS-CECE 4(3,2)
Water Resources Engineering I: PR: STA 3032 and CWR 3201 both with a grade of "C" (2.0) or better. Descriptive and quantitative aspect of water in the earth's environment and its engineering implications, including analysis of surface water systems, design of hydraulic structures, and stormwater management. *Fall, Spring.* M&S fee \$21.00

CWR 4633C ECS-CECE 3(3,2)
Water Resources Engineering II: PR: CWR 4632C with a grade of "C" (2.0) or better. Provision of advanced understanding of hydrology, hydrologic river routing, open/closed channel, and groundwater hydraulic and some engineering applications of these concepts. *Fall, Spring.*

CWR 4812C ECS-CECE 3(2,2)
Water Resources Design: PR: CWR 4632C with a grade of "C" (2.0) or better and department consent. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. *Fall, Spring.* M&S fee \$15.00

CWR 5125 ECS-CECE 3(3,0)
Groundwater Hydrology: PR: CWR 4633C or C.I. Theories of groundwater movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. *Occasional.*

CWR 5205 ECS-CECE 3(3,0)
Hydraulic Engineering: PR: CWR 4633C or C.I. Concepts of fluid mechanics and hydrodynamics applied to natural and man-made flow of intent to civil and environmental engineering. *Occasional.*

CWR 5515 ECS-CECE 3(3,0)
Numerical Methods in Civil and Environmental Engineering: PR: CWR 4633C or C.I. This course will present intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. *Occasional.*

CWR 5545 ECS-CECE 3(3,0)
Water Resources Engineering: PR: CWR 4633C or C.I. Systems identification and solution to complex water allocation problems, and other hydraulic engineering designs and operations using economic analysis and operations research techniques. *Occasional.*

CWR 5634 ECS-CECE 3(3,0)
Water Resources in a Changing Environment: PR: CWR 4632C. To model and understand potential impact of climate change and human activities on hydriodic systems and various spatial and temporal scales. *Odd Fall.*

DAA 2000C CAH-THEA 2(2,2)
Introduction to Theatre Dance: Basic ballet, tap, and jazz technique. Recommended for students with no formal dance training. May be used in the degree program a maximum of 2 times. *Occasional.*

DAA 2100C CAH-THEA 2(2,1)
Modern Dance I: PR: Theatre major, Dance minor, or department consent. Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. *Spring.*

DAA 2101C CAH-THEA 2(2,1)
Modern Dance II: PR: Theatre major, Dance minor, or department consent., and C (2.0) or better required in DAA 2100C and DAA 2200C. Intermediate exploration of form, style, and technique in creative movement, including practical class work and history lectures. *Fall.*

DAA 2200C CAH-THEA 2(2,1)
Ballet I: PR: Theatre major, Dance minor, or department consent. Fundamentals of classical ballet; includes practical dance work as well as dance history lectures. *Fall.*

DAA 2201C CAH-THEA 2(2,1)
Ballet II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Intermediate classical ballet technique, including principles, theory, and practice technique. *Spring.*

DAA 2300 ED-CFCS 2(2,0)
Ballroom Dance: Instruction in selected ballroom dances (foxtrot, waltz, rumba, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. *Fall, Spring.*

DAA 2351 ED-CFCS 2(2,0)
Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (meringue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. *Fall, Spring.*

DAA 2393C CAH-THEA 2(2,1)
World Dance: PR: Theatre major, Dance minor, or department consent. Theory and applied technique of world dance. Semester focus will be devoted to one form, such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. *Occasional.*

DAA 2520C CAH-THEA 2(2,1)
Tap Dance I: PR: Theatre major, Dance minor, or departmental consent. Form, style, and technique in the basic fundamental movements of tap dance. *Fall.*

DAA 2521C CAH-THEA 2(2,1)
Tap Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2520C. Intermediate exploration of form, style, and technique of tap dance. *Spring.*

DAA 2570C CAH-THEA 2(2,1)
Jazz Dance I: PR: DAA 2200C, and Theatre major, or Dance minor, or department consent. Basic movements of American Jazz dance, including practical class work and Jazz dance history. *Fall, Spring.*

DAA 2571C CAH-THEA 2(2,1)
Jazz Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2570C. Intermediate Jazz dance using theory and practice in jazz technique. *Spring.*

DAA 3004L CAH-THEA 1(0,2)
Dance Studio: PR: Theatre Major, Theatre Minor or Dance Minor and any DAA course offered by the Theatre Department. Periodic attendance at departmental dance classes with permission of individual instructors. Graded S/U. May be repeated for credit. *Fall, Spring.*

DAA 3108C CAH-THEA 2(2,1)
Modern Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2101C. Advanced exploration of form, style, and technique in creative movement. May be repeated for credit. *Spring.*

DAA 3208C CAH-THEA 2(2,1)
Ballet III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2201C. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. *Fall.*

DAA 3524C CAH-THEA 2(2,1)
Tap Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2521C. Advanced exploration of form, style, and technique of tap dance. May be repeated for credit. *Fall.*

DAA 3612 CAH-THEA 3(3,0)
Dance Improvisation/Composition I: PR: DAA 2100C, Theatre major, Dance minor, or department consent. Theory and practice of dance composition. *Spring.*

DAA 3645 CAH-THEA 2(0,VAR)
Choreography Practicum: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C. Student practice in choreographing a concert dance work for public performance. May be used in the degree program a maximum of 5 times. *Spring.*

DAA 3684 CAH-THEA 1(0,VAR)
Dance Performance: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Student performance in a concert dance work. May be repeated for credit. *Spring.* M&S fee \$15.00

DAE 3370 ED-CFCS 3(1,2)
Dance and Rhythmics: The development of skill proficiency and instructional strategies in rhythmics and dance techniques, and fundamental movement patterns for grades K-12. *Occasional.*

DAN 3134 CAH-THEA 3(3,0)
Dance History I: PR: ENC 1101 or any 2000-level History course or C.I. The roots, trends, and styles of dance from prehistory through the early 20th century. *Fall.*

DEP 2004C COS-PSYCH 3(3,2)
Developmental Psychology: PR: PSY 2012. The effects of genetic, psychological, maturational, and social factors on behavior throughout the life cycle. *Fall, Spring.*

DEP 2004H COS-PSYCH 3(3,0)
Honors Developmental Psychology: PR: PSY 2012 and consent of Honors. Genetic, psychological, maturational, and social factors on behavior throughout the life cycle. With Honors content. *Fall.*

DEP 3202 COS-PSYCH 3(3,0)
Psychology of Exceptional Children: PR: PSY 2012. Psychological problems of exceptional children, including diagnosis, associated emotional problems, effects of institutionalization, special class placement, attitudes, and appropriate intervention methods. *Occasional.*

DEP 3464 COS-PSYCH 3(3,0)
Psychology of Aging: PR: PSY 2012. An examination of basic psychological processes related to the aging process, with emphasis on the applied implications of changes in perceptual-motor, social emotional and cognitive-intellectual functioning. *Occasional.*

DEP 5057 COS-PSYCH 3(3,0)
Developmental Psychology: PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors. *Spring.*



DIG 2000 CAH-SVAD 3(3,0)
Introduction to Digital Media: PR: ENC 1101 and MAC 1105C. Introduction to history, principles, and processes associated with digital media and designing for digital media with emphasis on production and communication. *Fall, Spring.*

DIG 2030C CAH-SVAD 3(2,2)
Digital Video Fundamentals: PR: ENC 1101, MAC 1105C, CR: DIG 2000. Introduces concepts and principles of producing and assembling digital video and the tools and techniques of video and sound capture. *Fall, Spring.*

DIG 2109C CAH-SVAD 3(2,2)
Digital Imaging Fundamentals: CR: DIG 2000. Introduces concepts and principles of image creation, and the tools and techniques of image capture, creation, manipulation, and integration for design concepts. *Fall, Spring.*

DIG 2500C CAH-SVAD 3(2,2)
Fundamentals of Interactive Design: CR: DIG 2000. Foundations of interactive media including user-interface design. Students combine audio, video, imaging, and animation using industry standard software. *Fall, Spring.*

DIG 2821 CAH-SVAD 3(3,0)
Creative Digital Media Problem Solving: PR: Minimum grade of "B" (3.0) in DIG 2000. Practical tools to enhance the creative process in the development of new, novel, and useful ideas for digital media. *Fall, Spring.*

DIG 3003 CAH-SVAD 3(3,0)
Adventures in Emerging Media: PR: ENC 1101. Examines the rules and culture of emerging media. The course is presented online in a nonlinear "choose your own adventure" format. *Occasional.*

DIG 3024 CAH-SVAD 3(3,0)
Digital Cultures & Narrative: PR: DIG 2030C, DIG 2109C, DIG 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Understanding of digital cultures and narrative theories from an interdisciplinary perspective. Conceptual structure and design of visual and interactive storytelling. *Fall, Spring.*

DIG 3035 CAH-SVAD 1(1,0)
Digital Media in the Workplace: PR: ENC 1102. Workplace skill preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. *Fall, Spring.*

DIG 3043 CAH-SVAD 3(3,0)
Evolution of Video Games: PR: ENC 1101. Evolution of video games since the first game in the early 1950s to contemporary games. *Fall, Spring.*

DIG 3134 CAH-SVAD 3(3,0)
Media Software Design: PR: DIG 3480C. Fundamentals of interactive software development within Internet environments. Focus on server-side scripting methodologies and database design. *Fall, Spring.*

DIG 3153 CAH-SVAD 3(3,0)
Writing for Digital Media: PR: Minimum grade of "B" (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals in the following areas: language theory, document design, markup languages and the editing process. *Fall, Spring.*

DIG 3171 CAH-SVAD 3(3,0)
Tools for Digital Humanities: PR: ENC 1102 or C.I. Examination of digital tools and techniques, including web and games, used for projects and research in digital humanities. *Occasional.*

DIG 3253C CAH-SVAD 3(2,2)
Digital Media Audio: PR: DIG 3480C. Audio production processes for multimedia and new media production, including examination and use of audio and MIDI sequencing software. *Fall, Spring.*

DIG 3355C CAH-SVAD 3(2,2)
Artificial Environments and Effects: PR: DIG 2109C and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. *Fall, Spring.*

DIG 3362C CAH-SVAD 3(2,2)
Artificial Characters: PR: DIG 2109C and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium. *Fall, Spring.*

DIG 3433C CAH-SVAD 3(2,2)
Visual Storytelling and Visual Development: PR: DIG 2109C and DIG 2500C and C.I. CR: DIG 3951. Processes and techniques to transform story concepts into a producible visual experience. *Fall, Spring.*

DIG 3450 CAH-SVAD 3(3,0)
Interactive Performance I: PR: Admission by audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. *Fall, Spring.*

DIG 3450H CAH-SVAD 3(3,0)
Honors Interactive Performance I: PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors content. *Occasional.*

DIG 3480C CAH-SVAD 3(2,2)
Computer as a Medium: PR: DIG 2500C and a minimum grade of "B" (3.0) in DIG 2000. Fundamentals of client-side scripting with an emphasis on web technologies. Development of interactive websites using current scripting languages. *Fall, Spring.*

DIG 3525 CAH-SVAD 3(3,0)
Digital Media Production I: PR: DIG 2030C, DIG 2109C, DIG 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Media project planning, organization and execution; group dynamics. Software tools for project planning, scheduling and management. *Fall, Spring.*

DIG 3543C CAH-SVAD 3(2,2)
The Production Process: PR: DIG 2030C and DIG 2109C and C.I. CR: DIG 3951. Production in a visual medium from narrative idea to finished artifact. *Fall, Spring.*

DIG 3563 CAH-SVAD 3(3,0)
Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. *Fall, Spring.*

DIG 3716C CAH-SVAD 3(2,2)
Internet Interaction: PR: DIG 3480C. Front end planning and design of web pages. Design using markup languages and style sheets to produce visually pleasing and usable interactive interfaces. *Fall, Spring.*

DIG 3811 CAH-SVAD 3(3,0)
User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. *Fall, Spring.*

DIG 3951 CAH-SVAD 0(0,0)
Character Animation Portfolio Review: PR: C.I. Review of relevant digital and artistic works in a student's portfolio. Graded S/U. *Fall.*

DIG 4104C CAH-SVAD 3(2,2)
Web Design Workshop: PR: DIG 3134C, DIG 3716C, DIG 3563, and DIG 3811. Students will practice designing and implementing professional-quality websites. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

DIG 4204C CAH-SVAD 3(2,2)
Generating and Manipulating Digital Imagery: PR: DIG 2030C, DIG 2109C, and DIG 2500C, or C.I. CR: DIG 3951. Core techniques for creating and manipulating second and third digital representations. *Fall, Spring.*

DIG 4206C CAH-SVAD 3(1,4)
New Imagery in Motion Workshop: PR: DIG 4325C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. *Spring.*

DIG 4323C CAH-SVAD 3(1,4)
Modeling for Visual Language: PR: DIG 4451C or C.I. Application of techniques taught to model, rig, and prepare artificial characters so that they may be animated effectively and express narrative for digital production. *Fall.*

DIG 4324C CAH-SVAD 3(2,2)
Modeling for Realtime Systems II: PR: DIG 4780C. Advanced techniques for character animation, texture, lighting, rendering. Project oriented. *Spring.*

DIG 4325C CAH-SVAD 3(1,4)
Look Modeling Workshop: PR: DIG 4780C and successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting. *Spring.*

DIG 4326C CAH-SVAD 3(1,4)
Geometrical Modeling Workshop: PR: DIG 4780C and successful portfolio review or C.I. Techniques and mechanics of designing and manipulating geometrical representations of artificial characters and their environments; introduction to procedural models. *Spring.*

DIG 4354C CAH-SVAD 3(1,4)
Advanced 3D Animation: PR: DIG 4323C, successful portfolio review, or C.I. Advanced tools, concepts and techniques developed in the previous 3D animation courses. Students apply techniques to 3D character animation. *Spring.*

DIG 4359C CAH-SVAD 3(1,4)
Artificial Environments and Effects Workshop: PR: DIG 3355C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositing, image processing, visual style, visual continuity. *Spring.*

DIG 4369C CAH-SVAD 3(1,4)
Artificial Characters Workshop: PR: DIG 3362C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. *Spring.*

DIG 4373C CAH-SVAD 3(1,4)
3D Textures: PR: DIG 4323C or C.I. Advanced application of lighting and surface attributes, improving on the tools, concepts, and techniques learned in previous 3D courses. *Spring.*

DIG 4394C CAH-SVAD 3(1,4)
Motion Graphics: Advanced Compositing: PR: DIG 4359C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and compositing to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as pertaining to 3-D Content. *Spring.*

DIG 4395 CAH-SVAD 3(3,0)
Motion Capture for Performance: PR: MAC 1105C, and DIG 3480C or TPA 2201, or C.I. Develop creative skills, learn theory and technology of motion capture systems for live and recorded dramatic performance, augmented & virtual reality, training, and educational applications. *Spring.*

DIG 4434C CAH-SVAD 3(1,4)
Narrative Techniques in the Moving Image: PR: DIG 4451C, successful portfolio review, or C.I. Advanced application of techniques in Visual Language employed in story production focusing on advancing a narrative and evoking emotion. *Spring.*

DIG 4451C CAH-SVAD 3(1,4)
Visual Storytelling and Visual Development Workshop: PR: DIG 3433C and successful portfolio review, or C.I. Techniques, mechanics of visual development with emphasis on strong visual designs which communicate effectively. *Odd Spring.*

DIG 4455 CAH-SVAD 3(3,0)
Interactive Performance II: PR: DIG 3450C or C.I. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure. *Spring.*

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DIG 4486C CAH-SVAD 3(1,4)
Visual Language of Moving Image II: PR: DIG 3433C, successful portfolio review, or C.I. Application of techniques taught to design, create, and refine visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. *Fall*.

DIG 4503 CAH-SVAD 3(3,0)
Rapid Application Web Development: PR: DIG 3134 and DIG 3716C. Asynchronous web development using current server-side and client-side scripting techniques and database technologies. *Spring*.

DIG 4522 CAH-SVAD 3(3,0)
Digital Media Service: PR: DIG 3035. Practicum in which students utilize their digital media skills to create media rich products. May be used in the degree program a maximum of 4 times. *Fall, Spring*.

DIG 4526 CAH-SVAD 3(3,0)
Digital Media Production II: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Management and execution of large digital media projects, using structured methods and tools learned in Digital Media Production I. *Fall, Spring*.

DIG 4530C CAH-SVAD 3(2,2)
Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side internet programing languages and media theory to e-commerce, internet security, and online portals. *Fall, Spring*.

DIG 4624C CAH-SVAD 3(1,4)
Digital Production in Artificial Environments: PR: DIG 4359C, successful portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, theme and mood to help express a narrative for digital production. *Fall*.

DIG 4630C CAH-SVAD 3(2,2)
Media Business Practices: PR: DIG 3525. Media business practices for working with interactive websites and other media interfaces. Covers skills related to e-commerce and other forms of dynamic media. *Fall, Spring*.

DIG 4693C CAH-SVAD 3(2,2)
Production Software Workshop: PR: DIG 3134C or C.I. Advanced programming techniques for a variety of web-based applications using ActionScript, including dynamic and input text, variables, physics, artificial intelligence, collision detection, user interaction, and animation. *Spring*.

DIG 4704 CAH-SVAD 3(3,0)
Interactive Entertainment: PR: DIG 3525 or C.I. Ways to apply diverse skills of film making to digital media, non-linear storytelling, virtual reality, video games and non-traditional education and military simulation. *Fall, Spring*.

DIG 4713 CAH-SVAD 3(3,0)
Game Design: PR: DIG 3024 and DIG 3525. Principles and theories of video game design, including software, content, interaction, and game play design. Project based. *Fall, Spring*.

DIG 4715C CAH-SVAD 3(2,2)
Game Production: PR: A minimum grade of "B" (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. *Fall, Spring*.

DIG 4720C CAH-SVAD 3(2,2)
Casual Game Production: PR: DIG 2500C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. *Fall, Spring*.

DIG 4725C CAH-SVAD 3(2,2)
Game Design Workshop: PR: DIG 4715C, FIL 3720C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement video games using professional tools and iterative design techniques. May be used in the degree program a maximum of 4 times. *Fall, Spring*.

DIG 4780C CAH-SVAD 3(2,2)
Modeling for Realtime Systems: PR: DIG 2109C and a minimum grade of "B" (3.0) in DIG 2000. Principles of construction of 3D models for real-time applications. Topics include level of detail management and efficiency versus visual quality for video games and simulation. *Fall, Spring*.

DIG 4855 CAH-SVAD 3(3,0)
Converging Media Capstone: PR: GEB 3031 Cornerstone and 12 hours of restrictive electives within the Visual Arts and Emerging Media Management Track. Team based converging media projects leading to a capstone project that emphasizes creative thinking, proto-typing, development, marketing and assessment paralleling the business world. *Even Fall, Even Spring*. M&S fee \$45.00

DIG 5045C CAH-SVAD 3(1,3)
Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. *Fall*.

DIG 5046C CAH-SVAD 3(1,3)
Principles of Interactive Entertainment II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. *Fall*.

DIG 5137 CAH-SVAD 3(3,0)
Information Architecture: PR: Film and digital media majors or C.I. Exploration of the process of formal design of interactive processes, examining the theories of usability and object oriented design. *Fall*.

DIG 5366 CAH-SVAD 3(3,0)
Creating Interactive Characters: PR: Admission to Digital Media MS or C.I. Survey of issues related to creating interactive characters. Topics will range from modeling humans to reviewing realistic human capabilities. Graded S/U. *Fall, Spring*.

DIG 5487 CAH-SVAD 3(3,0)
Principles of Visual Language: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. *Fall*.

DIG 5529C CAH-SVAD 3(1,3)
Production for Media: PR: Admission to Digital Media MS program or C.I. Theories and practices of production processes for interactive entertainment. *Fall*.

DIG 5548C CAH-SVAD 3(1,3)
Rapid Prototype Production I: PR: Admission to Digital Media MS or C.I. Students engage in interdisciplinary teams to create rapid development projects. *Fall*.

DIG 5549C CAH-SVAD 3(1,3)
Rapid Prototype Production II: PR: DIG 5548C or C.I. Students engage in interdisciplinary teams to create advanced rapid development projects. *Fall*.

DIG 5565C CAH-SVAD 3(1,3)
Digital Asset Management Systems: PR: Graduate standing or C.I. Structure and use of Digital Asset Management Systems (DAMS). Protection of intellectual property rights by encryption, water marking, steganography. Version and work process flow control systems. *Occasional*.

DIG 5627 CAH-SVAD 3(3,0)
Autonomous Characters: PR: Graduate status or senior standing or C.I. Interdisciplinary study of autonomous characters-computer programs that mimic human behavior in games, simulations and interactive literature. Formal models of strategy, tactics and actions. *Occasional*.

DIG 5810 CAH-SVAD 3(3,0)
Ways of Seeing: Cultural and Technological Perspectives: PR: Admission to Film and Digital Media master's program or C.I. Cultural and technological perspectives formed by the intersection of media and cultural studies, art history and criticism, and cinema studies. *Fall*.

DIG 5835 CAH-SVAD 3(3,0)
Digital Forensics: PR: CGS 5131 or C.I. Application of digital scientific techniques to solve information assurance, forensic and legal problems. *Occasional*.

DIG 5875C COS-PSYCH 3(2,2)
Introduction to Modeling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary scientific underpinnings. *Fall*.

DIG 5876 COS-PSYCH 3(3,0)
Quantitative Aspects of Modeling and Simulation: PR: Graduate Standing or C.I. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. *Spring*.

DIG 5950 CAH-SVAD 3(3,0)
Interactive Entertainment Capstone: PR: Admission to Digital Media MS. Prepare a product design document and technical design document for a production project. Graded S/U. *Fall, Spring*.

DSC 4012 HPA-CJ 3(3,0)
Terrorism: PR: Sophomore Standing and ENC 1102. An examination of competing ideologies of a variety of social and political conflicts (both international and domestic) that give rise to terrorism and of the implications for the criminal justice system. *Occasional*.

DSC 4013 HPA-CJ 3(3,0)
Homeland Security and Criminal Justice: PR: Sophomore standing and ENC 1102. Analysis of homeland safety and security in contemporary society and government. *Occasional*.

EAB 3703C COS-PSYCH 4(3,2)
Principles of Behavior Modification: PR: PSY 2012. An examination of the control of behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. *Fall*.

EAB 3706C COS-PSYCH 4(3,2)
Behavior Modification - Part II: PR: EAB 3703C. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. *Occasional*.

EAB 5765 COS-PSYCH 3(3,0)
Applied Behavior Analysis with Children and Youth: PR: DEP 5057 and EXP 5445, and graduate status or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. *Occasional*.

EAS 3010 ECS-MECH/AERO 3(3,0)
Fundamentals of Aerospace Flight: PR: EGN 3321 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311C, MAC 2312 and PHY 2048; CR: EGN 3343. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics, airfoil theory, external and internal flows, airplane performance. *Fall*.

EAS 3101 ECS-MECH/AERO 3(3,0)
Fundamentals of Aerodynamics: PR: EML 3701. Viscous, incompressible fluid flow; flow over finite wings; aerodynamic design; introduction to computational fluid dynamics. *Spring*.

EAS 3530 ECS-MECH/AERO 3(3,0)
Space Systems Concepts: PR: EGN 3321, PHY 2049C, MAP 2302. Physical and engineering aspects of current space flights. Space nuclear propulsion and power. Design of spacecraft for space environment. Communication with spacecraft. Space-borne instrumentation. *Spring*.

EAS 3702 ECS-MECH/AERO 3(3,0)
Design for Manufacturing of Aerospace Components: PR: MAC 2312, EGN 3310, and EGN 3365 or EMA 3706. Manufacturing and properties of aerospace components, designed from metals, ceramics, polymers, and composites. Mechanics-based design of aerospace components. Applications of aerospace components. *Fall, Spring*.

EAS 3800C ECS-MECH/AERO 3(2,3)
Aerospace Engineering Measurements: PR: EGN 3343, CR: EGM 3601. Theory, calibration and use of instruments. Measurement techniques, data analysis, report writing. Laboratory topics related to aerospace engineering. *Fall*. M&S fee \$15.00



EAS 3810C ECS-MECH/AERO 3(1,3)
Design of Aerospace Experiments: PR: EAS 3800C; and EAS 3010 or EML 3701. Extension of EAS 3800C. Design of experiments in aeronautic/aerospace systems with emphasis on project team activity. *Spring*. M&S fee \$45.00

EAS 3990 ECS-MECH/AERO 0(0,0)
Aerospace Career and Academic Faculty Advising I: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. *Fall, Spring*.

EAS 4105 ECS-MECH/AERO 3(3,0)
Flight Mechanics: PR: EAS 3101; CR: EML 4225. Analysis and design of aircraft performance, static and dynamic stability and automatic control systems. *Fall*.

EAS 4134 ECS-MECH/AERO 3(3,0)
High-Speed Aerodynamics: PR: EAS 3101. Normal and oblique shock waves, nozzles and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Viscous boundary layers and applications to the design process. *Fall*.

EAS 4154 ECS-MECH/AERO 3(3,0)
Rotorcraft Aerodynamics: PR: EAS 3010. Helicopter aerodynamics. Momentum and blade element theories applied to hover, vertical and forward flight. Factors affecting design, performance & stability will be discussed. *Occasional*.

EAS 4200 ECS-MECH/AERO 3(3,0)
Analysis & Design of Aerospace Structures: PR: EGM 3601. Aerospace structures and components, loads, bending, shear and torsion of thin-walled open and closed section beams, structural idealization, analysis of fuselage and wing sections, structural instability (buckling) of columns and monocoque cylinders. *Fall*.

EAS 4210 ECS-MECH/AERO 3(3,0)
Space Structural Dynamics: PR: EGN 3321, EGM 3601 and EML 3034C. Analytical mechanics and linear system theory. Modern approach to control of lumped parameter systems. Review of space structure applications. Use of finite element methods. *Spring*.

EAS 4300 ECS-MECH/AERO 3(3,0)
Aerothermodynamics of Propulsion Systems: PR: EAS 4134 or EML 4703. Fundamental analysis and design considerations of propulsion systems. Turbojets, ramjets and rockets. *Spring*.

EAS 4400 ECS-MECH/AERO 3(3,0)
Spacecraft Attitude Dynamics: PR: EML 4312C or EML 4225. Kinematics and dynamics of rigid and multibody spacecraft rotational motion. Attitude control with momentum exchange actuators and thrusters. *Occasional*.

EAS 4404C ECS-MECH/AERO 3(2,3)
Discrete Control in Aerospace Vehicles: PR: EML 4312C and EAS 3800C. Discrete control aspects of aerospace vehicles, digital controller, design, state-space representation, Z-transform, system response. *Spring*. M&S fee \$15.00

EAS 4505 ECS-MECH/AERO 3(3,0)
Orbital Mechanics: PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Two-body problem, orbital equations, orbital transfer, earth satellite operation. *Spring*.

EAS 4700C ECS-MECH/AERO 3(1,6)
Aerospace Design I: PR: EAS 3010 or EML 3701, EAS 3800C, and department consent; CR: EAS 4200, EAS 4991. Application of the design process to the team solution of a state-of-the-art problem. Airplanes and space vehicles, systems and devices are considered. *Fall, Spring*.

EAS 4710C ECS-MECH/AERO 3(1,6)
Aerospace Design II: PR: EAS 4700C, EAS 4991. Continuation of the design process in the team building and testing of a prototype/model of an airplane, spacecraft, system or device. *Fall, Spring*. M&S fee \$60.00

EAS 4991 ECS-MECH/AERO 0(0,0)
Aerospace Career and Academic Faculty Advising II: PR: EAS 3990 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. *Fall, Spring*.

EAS 5123 ECS-MECH/AERO 3(3,0)
Intermediate Aerodynamics: PR: EAS 4134; CR: EML 5060. Aerodynamic characteristics of airfoils, finite wings, waves, wing-body combinations, viscous flow and flow instabilities. Airfoil design. *Occasional*.

EAS 5157 ECS-MECH/AERO 3(3,0)
V/Stol Aerodynamics and Performance: PR: EAS 4105; CR: EML 5060. Momentum theory, blade element theory, hover and forward flight, stability, aeroelasticity. *Occasional*.

EAS 5211 ECS-MECH/AERO 3(3,0)
Aeroelasticity: PR: EAS 3101 or EML 3701 and EAS 4210 or EML 4220. Concerned with consequences and trade-offs created by interactions between aerodynamic forces and structural deformation. Static aeroelastic problems; control effectiveness; lift effectiveness; divergence. Dynamic aeroelasticity; flutter and vibration. *Occasional*.

EAS 5302 ECS-MECH/AERO 3(3,0)
Direct Energy Conversion: PR: EML 3101 and EML 4142. Direct methods of energy conversion; particular emphasis on fuel cells, thermoelectrics, thermionics, solar energy, photovoltaics and magnetohydrodynamics. Analysis and systems design. *Occasional*.

EAS 5315 ECS-MECH/AERO 3(3,0)
Rocket Propulsion: PR: EAS 4134 or EML 4703. Analysis and performance of rocket motors; selection and thermochemistry of chemical propellants: liquid and solid propellant rockets. *Occasional*.

EAS 5407C ECS-MECH/AERO 3(2,3)
Mechatronic Systems: PR: EML 3034C. Discrete control techniques for aerospace mechatronic systems. Controller design, test and evaluation. *Occasional*.

EAS 5535 ECS-MECH/AERO 3(3,0)
Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4501C, EML 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. *Occasional*.

ECM 4504C ECS-ECE 4(3,3)
Embedded Computer Systems: PR: EEL 4768C, EEL 4851C, EEL 4635C. Computer Applications in Systems role, sensor and actuator interfacing. Design projects, including problem statements and specifications, design methodology, implementation, testing, and documentation. *Occasional*.

ECO 2013 BA-ECON 3(3,0)
Principles of Macroeconomics: An introduction to macroeconomics, including an overview of the market economy; national income, employment, and price level determination, stabilization policies, and international economics. *Fall, Spring*.

ECO 2013H BA-ECON 3(3,0)
Honors Principles of Economics Macroeconomics: PR: Permission of Honors. Same as ECO 2013 with honors-level content. *Fall, Spring*.

ECO 2023 BA-ECON 3(3,0)
Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. *Fall, Spring*.

ECO 2023H BA-ECON 3(3,0)
Honors Principles of Microeconomics: PR: Permission of Honors. The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors content. *Occasional*.

ECO 3070 BA-ECON 1(1,0)
Tutoring/Teaching Techniques for Undergraduate Economics: PR: Satisfactory completion of same course the student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. Graded S/U. May be used in the degree program a maximum of 4 times. *Fall, Spring*.

ECO 3101 BA-ECON 3(3,0)
Intermediate Microeconomics: PR: ECO 2013, ECO 2023 and ECO 3401. Theoretical study of the behavior of households, firms, and the markets in which they operate with issues and applications. *Fall, Spring*.

ECO 3203 BA-ECON 3(3,0)
Intermediate Macroeconomics: PR: ECO 2013 and ECO 2023 and ECO 3401. Measurement, analysis, and control of aggregate economic activity. *Fall, Spring*.

ECO 3223 BA-ECON 3(3,0)
Money and Banking: PR: ECO 2013. Nature of money, commercial banking system, and monetary theory, and their relationship to the level of economic activity and activities of the Federal Reserve and U.S. Treasury. *Odd Spring*.

ECO 3401 BA-ECON 3(3,0)
Quantitative Business Tools I: PR: ECO 2023, and MAC 1105C or MAC 1140C. Introduction to mathematical and statistical analysis of economics and business problems. *Fall, Spring*.

ECO 3410 BA-ECON 3(3,0)
Mathematical Economics: PR: ECO 3101. Mathematical methods with particular focus on microeconomics foundations of individual decision-making. *Spring*.

ECO 3411 BA-ECON 4(4,0)
Quantitative Business Tools II: PR: Junior standing and business major or minor, ECO 2013, ECO 2023, and ECO 3401. The use of statistical methods as scientific tools in the analysis of economics and business problems. *Fall, Spring*.

ECO 3703 BA-ECON 3(3,0)
International Microeconomics: PR: ECO 3101. Fundamental principles of Classical and Neoclassical international trade theories, as well as trade's impact on global resource flows and the impact of trade on the developing world. Trade policy both in theory and practice is also examined. *Fall*.

ECO 3704 BA-ECON 3(3,0)
Global Economic Policy: PR: ECO 2013 and ECO 2023. Interdependent nature of the global economy, its current economic problems and the different policy perspectives and their impact. *Occasional*.

ECO 4303 BA-ECON 3(3,0)
History of Economic Thought: PR: ECO 2013 or ECO 2023. A study of the principal ideas of the major contributors to the development of economic thought. *Occasional*.

ECO 4412 BA-ECON 3(3,0)
Econometrics: PR: ECO 2013, ECO 2023 and ECO 3411. Concepts and methods of developing, analyzing, and interpreting measures of economic activity, and business and economic change. *Even Fall*.

ECO 4504 BA-ECON 3(3,0)
Public Economics: PR: ECO 3101. A study of fiscal institutions and decision-making, and how government budgetary policy (spending, taxing, borrowing, and debt management) affects the economy and its citizens. *Occasional*.

ECO 4713 BA-ECON 3(3,0)
International Macroeconomics: PR: ECO 3101 or ECO 3203 or ECO 3223. International macroeconomics with review and analysis of current international macroeconomics, financial issues, policies and events. *Occasional*.

ECO 4751 BA-ECON 3(3,0)
Law and Economics: PR: ECO 2013 and 2023. Impact of law on economic behavior; how economic behavior changes with legal rules and penalties; and the economic logic underlying the law. *Occasional*.

ECO 4902 BA-ECON 1(1,0)
Capstone in Economics: PR: ECO 3101, ECO 3203, ECO 3411, Senior Standing, Economics Major. Students use critical thinking and written communication to integrate and apply material learned in economics courses to economics problem and policies. Graded S/U. *Fall, Spring*.



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ECO 4934 BA-ECON 3(3,0)
Topics in Econometrics: PR: ECO 4412. Emphasis on international topics in linear and nonlinear econometric models. *Spring.*

ECO 4941 BA-ECON 3(3,0)
Economics Internship: PR: Consent of department chair, ECO 3101, and ECO 3203. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. Graded S/U. *Fall, Spring.*

ECO 5005 BA-ECON 3(3,0)
Economic Concepts: PR: Acceptance into the graduate program. Introduction to micro and macro economic analysis. *Occasional.*

ECP 3004 BA-ECON 3(3,0)
Seminar on Current Economic Topics: PR: ECO 3101. Content may include, but is not limited to, the analysis of current economic issues and policy, and the study of current economic methods and theories. May be used in the degree program a maximum of 1 time. *Occasional.*

ECP 3006 BA-ECON 3(3,0)
Economics of Sports: PR: ECO 2023. Microeconomics is used to evaluate and analyze the business and practice of sports including the structure and conduct of sports leagues, revenue sharing and other forms of cooperation, labor markets and compensation for professional athletes, public financing of sport facilities, and sports in the not-for-profit sector. *Fall.*

ECP 3203 BA-ECON 3(3,0)
Labor Economics: PR: ECO 3101 or ECP 4703. The analysis of labor problems and issues in a dynamic contemporary economy through the interaction of the four major institutions: households, firms, government, and unions. *Occasional.*

ECP 3302 BA-ECON 3(3,0)
Economics and the Environment: PR: ECO 2023. Analysis of environmental problems from an economic perspective, its relationship to other disciplines, and the international dimension of environmental policy. Not open to Economics majors. *Even Fall.*

ECP 4303 BA-ECON 3(3,0)
Environmental and Natural Resource Economics: PR: ECO 3101. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the microeconomic and macroeconomic level. *Odd Fall.*

ECP 4403 BA-ECON 3(3,0)
Industrial Organization and Game Theory: PR: ECO 3101. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries. *Fall, Spring.*

ECP 4530 BA-ECON 3(3,0)
Health Economics: PR: ECO 3101. Analysis of the market for health and the derived market for health care using intermediate micro-economic modeling. *Fall.*

ECP 4703 BA-ECON 3(3,0)
Managerial Economics: PR: ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Not open to Economics majors. *Spring.*

ECS 4013 BA-ECON 3(3,0)
Development Economics: PR: ECO 2013 and ECO 2023. The study of problems, theories, and issues of economic development in the global economy. *Fall, Spring.*

ECT 3062 ED-E&HS 3(3,0)
Professional Roles of the Career & Technical Teacher: PR: ECT 3365 or C.I. Introspection into career and technical education teaching and the transition from industry to education. *Occasional.*

ECT 3365 ED-E&HS 3(3,0)
General Methods/Testing Evaluation in Career & Technical Education: General teaching methods, testing and evaluation. Techniques specific to Career & Technical Education and Industry Training. *Fall.*

ECT 3367 ED-E&HS 3(3,0)
Evaluation of Career & Technical Education Instruction: PR: ECT 3365 or C.I. Assessing student cognitive, affective, and psychomotor performance in the technical environment. *Spring.*

ECT 3371 ED-E&HS 3(3,0)
Course Construction in Industrial Education: PR: ECT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education laboratory, and involvement in VICA. *Occasional.*

ECT 4004 ED-E&HS 3(3,0)
Principles and Practices of Technical Education: PR: ECT 3365 or C.I. Integrating historical principles, career structure, and current trends in technical education. *Fall.*

ECT 4184 ED-E&HS 3(3,0)
Curriculum Development Techniques for Industry Training: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainers analysis tasks. *Spring.*

ECT 4384 ED-E&HS 3(3,0)
Advanced Teaching Techniques for Career Education: PR: ECT 3365 or C.I. Developing techniques including cooperative learning, simulation, instructional modeling, and evaluation of instructional effectiveness. *Fall.*

ECT 4815 ED-E&HS 3(3,0)
Safety in the Technical Education Classroom and Laboratory: PR: ECT 3365 or C.I. Federal regulations, safety practices, guidance, and support materials for technical trainers and teachers in school and industrial settings. *Occasional.*

ECW 3312 ED-E&HS 3(3,0)
Course Construction in Health Occupations Education: PR: ECT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. *Occasional.*

ECW 3564 ED-E&HS 3(3,0)
Special Populations in Career & Technical Education: PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. *Spring.*

ECW 5207 ED-E&HS 2-4(2-4,0)
Management of Vocational Programs: PR: Rank III Certificate or C.I. Study and achievement of selected competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. *Occasional.*

ECW 5265 ED-E&HS 2-4(2-4,0)
Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. *Occasional.*

ECW 5561 ED-E&HS 2-3(2-3,0)
Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. *Occasional.*

EDE 2280 ED-TL&L 3(3,0)
Arts and Wellness in Elementary Classrooms: Provides the prospective teacher with knowledge, skills, and the dispositions to integrate arts and wellness into the elementary classroom curriculum. *Fall, Spring.*

EDE 3942 ED-TL&L 3(3,0)
Internship I: PR: EDG 4410, RED 3012, RED 4519, MAE 3310, MAE 3311, TSL 4080. CR: MAE 4326, RED 4942, SCE 3310. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. *Fall, Spring.*

EDE 3942H ED-TL&L 3(3,0)
Honors Internship I: PR: MAE 2801, RED 3012, RED 4519, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher including professional study groups and seminars, teacher work sample methodology and just-in-time coaching. *Odd Fall.*

EDE 4223 ED-TL&L 3(3,0)
Integrated Arts and Movement in the Elementary School: PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. *Fall, Spring.* M&S fee \$10.00

EDE 4943 ED-TL&L 7-12(0,35)
Internship II (Elementary): PR: EDE 3942. Student teaching in an elementary school under the supervision of a certified classroom teacher. Scheduled concurrent seminars. Graded S/U. *Occasional.*

EDE 4945 ED-TL&L 1(1,0)
Internship II Seminar: PR: All required program courses; CR: EDE 4943 Internship II. Culminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. *Fall, Spring.*

EDF 2005 ED-TL&L 3(3,0)
Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. *Fall, Spring.*

EDF 2007 ED-TL&L 3(3,0)
Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. *Fall, Spring.*

EDF 2085 ED-TL&L 3(3,0)
Introduction to Diversity for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. *Fall, Spring.*

EDF 2130 ED-TL&L 3(3,0)
Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. *Fall, Spring.*

EDF 2250 ED-TL&L 3(3,0)
Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. *Fall, Spring.*

EDF 2510 ED-TL&L 3(3,0)
Education and Nation Building: American Historical Perspectives: An historical analysis of why education remains critical to nation building in the U.S. and elsewhere, including education's impact on current policies and issues. *Occasional.*

EDF 2720 ED-TL&L 3(3,0)
Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2005, EDF 2085, EME 2040, or C.I. The role of education in children's lives through the analysis of legal, ethical and safety concerns. *Fall, Spring.*

EDF 2801 ED-TL&L 3(3,0)
Global Perspectives on Education: National systems of education from a global perspective and exposure to the global and international challenges facing educators in the new millennium. *Fall.*

EDF 3120 ED-TL&L 3(3,0)
Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. *Fall, Odd Spring.*



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EDF 3601 ED-TL&L 3(3,0)
Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. *Fall, Spring.*

EDF 4466 ED-E&HS 3(3,0)
Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. *Fall, Spring.*

EDF 4467 ED-TL&L 3(3,0)
Learning Theory and Assessment: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations. Fifteen hour in-school experience required. *Fall, Spring.*

EDF 4467H ED-TL&L 3(3,0)
Honors Learning Theory and Assessment: PR: EDF 2005, EDF 2085, and EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations using a case study design, teacher work samples, and a theoretical/conceptual debate. Fifteen hour in-school experience required. *Even Fall.*

EDF 4603 ED-TL&L 3(3,0)
Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. *Fall, Spring.*

EDF 4603H ED-TL&L 3(3,0)
Honors Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy with Honors content. *Fall.*

EDF 5245 ED-TL&L 3(3,0)
Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. *Occasional.*

EDF 5607 ED-TL&L 3(3,0)
Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. *Occasional.*

EDG 1005C ED-TL&L 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education and Human Performance providing a foundation of leadership, scholarship, and service regarding disciplines in the college. *Fall, Spring.*

EDG 2311 ED-TL&L 3(3,0)
Teaching Strategies for Substitute Teachers: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. *Fall, Spring.*

EDG 4410 ED-TL&L 3(3,0)
Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. *Fall, Spring.*

EDG 4941 ED-TL&L 1-8(0,1-8)
Directed Field Experience: PR: Approval of Professional Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. *Occasional.*

EDG 4948 ED-TL&L 3(3,0)
Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. *Fall, Spring.*

EDG 4954 ED-TL&L 3(3,0)
International Education Field Experiences: PR: Junior standing or C.I. A guided field experience for students participating in a study abroad program. Students gain insights into global and local issues through educational and cultural experiences. *Fall, Spring.*

EDG 5356 ED-TL&L 3(3,0)
Instructional Coaching: PR: Graduate standing or C.I. This course will prepare educators to become instructional coaches, developing skills and methods to impact student achievement by influencing teachers' instructional practices. *Occasional.*

EDG 5745 ED-TL&L 3(3,0)
Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. *Occasional.*

EDG 5941 ED-TL&L 2-8(0,11)
Clinical Practice: PR: Admission to STEP II, III or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. *Occasional.*

EDH 5306 ECS-MECH/AERO 1(1,0)
Teaching Methods in Engineering: PR: Graduate standing in an engineering discipline. This course will cover basis teaching pedagogy to help engineering students becomes better TA's and help students deliver better technical presentations. *Occasional.*

EDS 5356 ED-TL&L 3(2,1)
Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of the Florida Educator Accomplished Practices. *Fall, Spring.*

EEC 2732 ED-CFCS 3(3,0)
Health, Safety, and Nutrition for Young Children: Health, safety and legal issues in early childhood (0-8) including protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. *Spring.*

EEC 3008 ED-CFCS 3(3,0)
Early Childhood Children's Literature: PR: Admission into the Early Childhood Development and Education Program (Track 3), EEC 3700, EEC 4661, RED 3310, and PET 4050C. A study of literature written for children ages birth through kindergarten, including an introduction to genres, authors and illustrators of children's books. *Spring.*

EEC 3214 ED-CFCS 3(3,0)
Early Childhood Education Learning Environment & Strategies: PR: Admission to the program. Examines developmentally appropriate education materials, strategies, and environments for young children. Explores an integrated approach to curriculum planning and scheduling which emphasizes active learning. *Occasional.*

EEC 3613 ED-CFCS 3(3,0)
Observation and Assessment of Young Children: PR: Admission to the program. Appropriate methods for diagnosing, assessing, and evaluating young children, including children with diverse cultural and ethnic backgrounds. Appropriate interventions, remediations, and enrichment. *Occasional.*

EEC 3700 ED-CFCS 3(3,0)
Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development. *Occasional.*

EEC 3940 ED-CFCS 3(0,3)
Integration Internship I: PR: Senior Status; RED 4311 or RED 3310. Field based placement in which the students will have supervised practice integrating course content areas. *Occasional.*

EEC 4207 ED-CFCS 3(3,0)
Assessment and Evaluation of Young Children: PR: Admission to the Early Childhood Program and EEC 3700. Early childhood education and services for young children and families. Includes early childhood historical, philosophical, and sociological perspectives, learning theories and field-based experiences. *Fall.*

EEC 4211 ED-CFCS 3(3,0)
Science and Math Learning for Young Children: PR: Admission into Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. Methodologies for teaching and assessing young children in mathematics and science concepts and skills through an integrated developmentally appropriate program. *Fall.*

EEC 4235C ED-CFCS 3(2,1)
Early Childhood Education Seminar: Bridging Theory to Practice: PR: TSL 4240, EEC 4268, EEX 3450 and completion of semester II in the junior year. Corequisites: MAE 4300, RED 4311, SCE 4304. Seminar course which combines coursework, research, and practical experience. *Fall, Spring.*

EEC 4260 ED-CFCS 3(3,0)
Early Childhood Program Evaluation: PR: Admission into the Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. Formal and informal evaluation theories, methods and tools for implementing comprehensive evaluations of early childhood programs and policies and how they impact the program's stakeholders. *Fall.*

EEC 4268 ED-CFCS 3(3,0)
Curriculum Activities in Early Childhood: PR: Admission to Early Childhood Education Program. An integrated approach to curriculum planning and scheduling including materials, strategies, and environments for young children which emphasize active learning. *Fall, Spring.*

EEC 4303 ED-CFCS 3(3,0)
Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Development and Education program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. *Occasional.*

EEC 4314 ED-CFCS 3(3,0)
Effective Practices for Guiding Young Children's Behavior: PR: Admission into Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. Techniques to guide behavior of young children emphasizing classroom management, routines, and pro-social skills. *Spring.*

EEC 4402 ED-CFCS 3(3,0)
Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. *Occasional.*

EEC 4414 ED-CFCS 3(3,0)
Parent-Child Relations: PR: EEC 3700; EEC 4661; RED 3310; EEX 4751; LIN 3716; or C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stages, family structure, ethnic and cultural factors on parenting. *Fall, Spring.*

EEC 4524 ED-CFCS 3(3,0)
Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. *Occasional.*

EEC 4528 ED-CFCS 3(3,0)
Infant/Toddler Care and Education: Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. *Occasional.*

EEC 4604 ED-CFCS 3(3,0)
Classroom Management and Guidance of Young Children: PR: Admission into Early Childhood Education Program and EEC 3700. Techniques to guide behavior of young children, emphasizing classroom management and pro-social skills. *Spring.*



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EEC 4661 ED-CFCS 3(3,0)
Early Childhood Education Theory and Practice: PR: Admission to the Early Childhood Program. Study of early childhood education and services for young children and families. Includes early childhood historical, philosophical, and sociological perspectives, learning theories and field-based experiences. *Fall, Spring.*

EEC 4744 ED-CFCS 3(3,0)
Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700. Course teaches Child Life theory and practice to students wanting to work with children, youth and their families in hospitals and pediatric clinical settings. *Spring.*

EEC 4936 ED-CFCS 2(2,0)
Seminar in Early Childhood: Current trends, issues and advocacy in field of early childhood education. Includes guidance and clarification concerning student teaching. *Occasional.*

EEC 4940 ED-CFCS 12(0,12)
Practicum: Early Childhood Development: PR: Must have completed all course work. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. *Fall, Spring.*

EEC 4942 ED-CFCS 9(0,9)
Practicum: Early Childhood Careers: PR: Admission into the Early Childhood Development and Education Program (Track 3), EEC 4414, EEC 4260, EEC 4314, and EEC 4211. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. *Spring.*

EEC 4943 ED-CFCS 12(0,12)
Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. *Occasional.*

EEC 5205 ED-CFCS 3(3,0)
Programs and Trends in Early Childhood Education: PR: Regular Certificate or C.I. Philosophy, content, facilities, instructional materials, and activities appropriate for children ages 3 to 8 years; current research; issues and trends. Concurrent laboratory experiences. *Occasional.*

EEC 5206 ED-CFCS 3(3,0)
Organization of Instruction in Early Childhood Education: PR: Regular certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences. *Spring.*

EEC 5208 ED-CFCS 3(3,0)
Creative Activities in Early Childhood: PR: Regular certificate or C.I. Organization of instruction and methods for creative activities involving music, art, literature and educational toys, integration of activities, and basic skills curriculum (K-3). Concurrent laboratory experience. *Even Fall.*

EEC 5745 ED-CFCS 3(3,0)
Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700 or C.I. Course teaches Child Life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric health settings. *Odd Spring.*

EEE 3307C ECS-ECE 4(3,3)
Electronics I: PR: EEL 3123C. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. *Fall, Spring.* M&S fee \$15.00

EEE 3342C ECS-ECE 3(2,3)
Digital Systems: PR: MAC 2311C, MAC 2312, PHY 2048C, PHY 2049C all with a "C" (2.0) or better grade. Combinational and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and design with programmable logic devices. *Fall, Spring.* M&S fee \$9.00

EEE 3350 ECS-ECE 3(3,0)
Semiconductor Devices I: PR: EEL 3004C and PHY 3101. Semiconductor device physics, energy band diagrams, electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. *Fall, Spring.*

EEE 4309C ECS-ECE 4(3,3)
Electronics II: PR: EEE 3307C, EEE 3342C. Ideal Op-Amps and applications. Introduction to Logic Circuits; Bipolar, MOS and CMOS families; Flip-flops and memory cells, comparators and timing circuits: A/D and D/A converters. *Fall, Spring.* M&S fee \$20.00

EEE 4314 ECS-ECE 3(3,0)
Device Electronics for Integrated Circuits: PR: EEE 3350. P.N. Junctions, Bipolar Transistor Analysis, Metal Semiconductor contacts, MOS Systems MOSFET Analysis and Limitations. *Occasional.*

EEE 4463 ECS-ECE 3(3,0)
MEMS Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, microfabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. *Fall.*

EEE 5332C ECS-ECE 3(2,1)
Thin Film Technology: PR: EEE 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. *Occasional.* M&S fee \$70.00

EEE 5352 ECS-ECE 3(3,0)
Semiconductor Material and Device Characterization: PR: EEE 3350 or C.I. Semiconductor material characterization resistivity, mobility, doping carrier lifetime, device properties, threshold voltage, interface charge of MOS devices, optical and surface characterization of films. *Occasional.*

EEE 5353 ECS-ECE 3(3,0)
Semiconductor Device Modeling and Simulation: PR: EEE 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. *Spring.*

EEE 5356C ECS-ECE 4(3,3)
Fabrication of Solid-State Devices: PR: EEE 3350. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. *Fall, Spring.* M&S fee \$70.00

EEE 5370 ECS-ECE 3(3,0)
Operational Amplifiers: PR: EEE 4309C. Ideal and non-ideal Op-Amps. Linear applications. Active RC and switched-capacitor filters. Non-linear and other functional circuits. Frequency stability and compensation of Op-Amps. *Even Fall.*

EEE 5378 ECS-ECE 3(3,0)
CMOS Analog and Digital Circuit Design: PR: EEE 4309C. Advanced principles and design techniques for CMOS ICs including most recent published results. *Fall.*

EEE 5390 ECS-ECE 3(3,0)
Full-Custom VLSI Design: PR: EEE 3342C, EEE 3307C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation; verification. *Spring.*

EEE 5513 ECS-ECE 3(3,0)
Digital Signal Processing Applications: PR: EEL 4750. The design and practical consideration for implementing Digital Signal Processing Algorithms including Fast Fourier Transform techniques, and some useful applications. *Spring.*

EEE 5542 ECS-ECE 3(3,0)
Random Processes I: PR: EEL 3552C and STA 3032. Elements of probability theory, random variables, and stochastic processes. *Fall, Spring.*

EEE 5555 ECS-ECE 3(3,0)
Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. *Occasional.*

EEE 5557 ECS-ECE 3(3,0)
Introduction to Radar Systems: PR: EEL 3552C. Introduction to Pulse and CW Radar Systems. Chirp Radar Systems. Tracking Radar. Noise in Radar Systems. *Spring.*

EEL 3004C ECS-ECE 3(3,2)
Electrical Networks: PR: MAC 2311C, MAC 2312, MAC 2313, PHY 2048C, PHY 2049C all with a "C" (2.0) or better grade. CR: MAP 2302. Analysis and design of linear circuits, transients, ac analysis, power calculations and three-phase circuits. *Fall, Spring.*

EEL 3004C ECS-ECE 3(3,2)
Honors Electrical Networks: PR: Permission of Honors and MAC 2311C, MAC 2312, MAC 2313, PHY 2048C, PHY 2049C all with a "C" (2.0) or better grade. CR: MAP 2302. Analysis and design of linear circuits, transients, ac analysis, power calculations and three phase; circuits. *Spring.*

EEL 3041 ECS-ECE 3(3,0)
Circuit Analysis: PR: PHY 2053C. Study of electrical networks. Circuit analysis techniques are presented, including DC and steady state analysis. Power calculations, power distribution and dissipation are covered with examples relating to cables, connections, and buses. Not open to EE and CpE majors. *Fall, Spring.*

EEL 3123C ECS-ECE 4(3,1)
Networks and Systems: PR: EEL 3004C, MAP 2302 with a "C" (2.0) or better grade. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transforms, sampling theory and Z-transforms. *Fall, Spring.* M&S fee \$15.00

EEL 3470 ECS-ECE 3(3,0)
Electromagnetic Fields: PR: EEL 3004C. Electric and magnet fields and electromagnetic waves. *Fall, Spring.*

EEL 3531 ECS-ECE 3(3,0)
Information Theory: PR: STA 2023. Entropy and mutual information. Asymptotic equipartition property. Entropy rates of a stochastic process. Date compression. Channel capacity. Gaussian channel. Rate distortion theory. Network information theory. Not open to EE or CpE majors. *Fall, Spring.*

EEL 3552C ECS-ECE 4(3,3)
Analog and Digital Communication Fundamentals: PR: EEL 3123C. Fourier Transform Theory, fundamentals of AM and FM, Baseband pulse and digital signaling, Bandpass signaling, digital modulation and detection. *Fall, Spring.* M&S fee \$15.00

EEL 3657 ECS-ECE 3(3,0)
Linear Control Systems: PR: EEL 3123C. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. *Fall, Spring.*

EEL 3801C ECS-ECE 3(3,2)
Computer Organization: PR: EGN 3211, EEE 3342C. Computer arithmetic, Instruction Set Architecture, performance, data path, control unit, memory hierarchy, I/O interface. *Fall, Spring.*

EEL 4050L ECS-ECE 1(0,3)
EECS Integrated Laboratory: PR: EEL 3552C, EEL 3657, EEL 4750. Topics: Sampling, Digital FIR and IIR Filters, DSP processing of sound signals, transmitters and receivers based upon AM and FM, PID controller and feedback systems, and power conversion. *Occasional.*

EEL 4140C ECS-ECE 4(3,3)
Analog Filter Design: PR: EEL 3123C. Passive and active analog filter design. *Fall.* M&S fee \$15.00

EEL 4205 ECS-ECE 3(3,0)
Electric Machinery: PR: EEL 3004C. Fundamentals of DC and AC electric machines. *Occasional.*



EEL 4216 ECS-ECE 3(3,0)
Fundamentals of Electric Power Systems: PR: EEL 3004C or C.I. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. *Spring.*

EEL 4436C ECS-ECE 4(3,3)
Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. *Fall.* M&S fee \$35.00

EEL 4440 ECS-ECE 3(3,0)
Optical Engineering: PR: EEL 3470, EEL 3552C or C.I. Lens systems, aberrations, sources, radiometry, detectors, physical optics, interferometric devices, applications to engineering design problems. *Spring.*

EEL 4512C ECS-ECE 4(3,3)
Communication Systems: PR: STA 3032, EEL 3552C and EEE 3307C. Information transmission, modulation, and noise; design and comparison systems in the presence of noise. *Occasional.*

EEL 4515C ECS-ECE 4(3,3)
Digital Communication Systems: PR: EEL 3552C. Sampling and quantization, PAM, PWM, PTM, PCM, and Delta Modulation ASK, FSK, PSK, MPSK, introduction to coding. *Fall.* M&S fee \$20.00

EEL 4518 ECS-ECE 3(3,0)
Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. *Fall.*

EEL 4612C ECS-ECE 4(3,3)
Introduction to Modern and Robust Control: PR: EEL 3657. Classical control theory including differential equations and Laplace transform techniques, stability analysis, and classical frequency domain design. Modeling and Position, Speed, Vibration Control Design Laboratories. *Occasional.*

EEL 4635C ECS-ECE 4(3,3)
Computer Control Systems: PR: EEL 3657. Discrete-time systems, the z-transform, and single loop computer control systems. Digital simulation in the analysis and design of processes with embedded computers. No graduate credit for both EEL 5630 and this course. *Occasional.*

EEL 4660 ECS-ECE 3(3,0)
Robotic Systems: PR: EGN 4060C or EEL 4742C or COP 3503C. Team based development of a robotic system incorporating concepts such as sensing, computer vision, machine learning, localization, mapping, manipulation and locomotion. *Spring.*

EEL 4742C ECS-ECE 4(3,3)
Embedded Systems: PR: EEL 3801C. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. *Fall, Spring.* M&S fee \$15.00

EEL 4750 ECS-ECE 3(3,0)
Digital Signal Processing Fundamentals: PR: EEL 3123C. Study of discrete-time signals and systems, Z-transform, DFT introduction to digital filter design. *Fall, Spring.*

EEL 4768 ECS-ECE 3(3,0)
Computer Architecture: PR: EEL 3801C or CDA 3103. Computer systems performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory, and RISC vs. CISC. *Fall, Spring.*

EEL 4781 ECS-ECE 3(3,0)
Computer Communication Networks: PR: EEL 3801C, STA 3032. Network models. Media access protocols. Data link control. Routing and flow control. Internetworking. Current architectures and protocols: OSI, ethernet, token, ring, FDDI, HSLC, X.25, etc. *Fall, Spring.*

EEL 4783 ECS-ECE 3(3,0)
Hardware Description Languages in Digital Systems Design: PR: EEE 3342C. Hardware description languages, simulation and synthesis of RTL circuits and systems, design examples and projects. *Occasional.*

EEL 4817H ECS-ECE 3(3,0)
Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. *Spring.*

EEL 4818H ECS-ECE 3(3,0)
Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 3801 or COP 3223 or STA 3032 or C.I. Machine Learning and Applications. ART Neural Networks, Genetic Algorithms, Decision Trees, Evolutionary Hardware, Evolutionary Neural Networks, and Reinforcement Learning. *Fall.*

EEL 4832 ECS-ECE 3(3,0)
Engineering Applications of Computer Methods: PR: MAP 2302, STA 3032, EGN 3420. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root-finding, integration and series approximations. *Fall, Spring.*

EEL 4851C ECS-ECE 4(3,3)
Engineering Data Structures: PR: EEL 3801C. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. *Fall, Spring.*

EEL 4872 ECS-ECE 3(3,0)
Engineering Applications of Intelligent Systems: PR: EEL 4851C or COP 3503C or equivalent or C.I. Knowledge and intelligence, predicate logic and automated reasoning, heuristic search, knowledge representation, automated planning, introduction to machine learning, knowledge-based systems and philosophy of AI. *Occasional.*

EEL 4882 ECS-ECE 3(3,0)
Engineering Systems Software: PR: EEL 4851C and EEL 4742C. Introduction to operating systems concepts and facilities for engineering applications, including multiprogramming, resource allocation and management, systems utilities, and operating system implementation. *Fall, Spring.*

EEL 4884C ECS-ECE 4(3,3)
Engineering Software Design: PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE; Analysis, design, and development of a large software project. *Fall, Spring.*

EEL 4890 ECS-ECE 3(3,0)
Continuous System Simulation I: PR: MAP 2302. Numerical integration techniques and discrete time system models for approximating the dynamics of continuous systems. *Occasional.*

EEL 4914 ECS-ECE 3(3,0)
Senior Design I: PR: EEE 3307C, EEL 4742C, and consent of School of EECS. Applications of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. *Fall, Spring.*

EEL 4915L ECS-ECE 3(0,3)
Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering project including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. *Fall, Spring.* M&S fee \$15.00

EEL 5173 ECS-ECE 3(3,0)
Linear Systems Theory: PR: EEL 3657. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and realization theory. *Spring.*

EEL 5185 ECS-ECE 3(3,0)
System Identification: PR: EEL 3657 or C.I. Dynamic systems, models of time-invariant linear, time-varying and nonlinear systems, nonparametric frequency- and time-domain identification methods, kernel expansion techniques, parameter estimation methods, experiment design, and applications. *Spring.*

EEL 5245C ECS-ECE 3(2,1)
Power Electronics: PR: EEE 4309C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cyclo-converters, applications. *Fall.*

EEL 5272 ECS-ECE 3(3,0)
Biomedical Sensors: PR: EEL 4750 or EEL 4832 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. *Occasional.*

EEL 5432 ECS-ECE 3(3,0)
Satellite Remote Sensing: PR: EEL 3470 or PHY 4324. Fundamentals of satellite remote sensing, orbits and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysical measurements. *Occasional.*

EEL 5437C ECS-ECE 4(3,3)
Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. *Fall.* M&S fee \$38.81

EEL 5439C ECS-ECE 4(3,1)
RF and Microwave Communications: PR: EEL 4436C or equivalent. RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. *Spring.* M&S fee \$40.00

EEL 5462C ECS-ECE 3(3,1)
Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipoles, loops, arrays, apertures, and horns. Analysis and design of various antennas. *Odd Fall.*

EEL 5625 ECS-ECE 3(3,0)
Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for nonlinear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MEMS. *Occasional.*

EEL 5630 ECS-ECE 3(3,0)
Digital Control Systems: PR: EEL 3657. Real-time digital control system analysis and design, Z-transforms, sampling and reconstruction, time and frequency response, stability analysis, digital controller design. *Fall.*

EEL 5669 ECS-ECE 3(3,0)
Autonomous Robotic Systems: PR: EEL 3657 or C.I. Introduction to robotics, with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. *Odd Fall.*

EEL 5690 ECS-ECE 3(3,0)
Introduction to Medical Robotics and Tele-Operation: PR: EEL 3657 or Medical students in their second year or later. Medical robots for minimally invasive surgery, kinematics, constrained workspace and dexterity, haptics, tele-operation and network based control, basics of laparoscopic surgery. *Occasional.*

EEL 5704 ECS-ECE 3(3,0)
Computer Aided Logical Design: PR: EEL 4742C. Design, analysis and synthesis of sequential logic circuits and systems. Data path and controller design using a hardware description language. *Occasional.*

EEL 5722C ECS-ECE 3(3,3)
Field-Programmable Gate Array (FPGA) Design: PR: EEE 3342C or C.I. FPGA architectures, design flow, technology mapping, placement, routing, reconfigurable computing applications, and evolvable hardware. *Even Fall.*



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EEL 5771C ECS-ECE 3(2,3)
Engineering Applications of Computer Graphics: PR: EGN 3420 or C.I. Computer graphics in engineering applications. Laboratory assignments. *Occasional*.

EEL 5780 ECS-ECE 3(3,0)
Wireless Networks: PR: EEL 4781 or C.I. The wireless networking topics include: cellular networks, multiple access protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA). *Even Spring*.

EEL 5820 ECS-ECE 3(3,0)
Image Processing: PR: MAP 2302, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques. *Odd Spring*.

EEL 5825 ECS-ECE 3(3,0)
Pattern Recognition: PR: EEL 4750 or C.I. Preliminaries of pattern recognition, Bayesian Decision Theory, linear discriminant functions, Neural Network approaches, decision tree classifiers, unsupervised learning and clustering, non-parametric techniques, and other topics reflecting the state-of-the art. *Occasional*.

EEL 5860 ECS-ECE 3(3,0)
Software Requirements Engineering: PR: Graduate standing or C.I. Excellent oral and written communication skills. Excellent problem solving skills. In-depth study of software requirements engineering within a process centered framework. Methods for requirements elicitation, analysis, description, and validation. Formal and informal specification. *Occasional*.

EEL 5874 ECS-ECE 3(3,0)
Expert Systems and Knowledge Engineering: PR: EEL 4872 or CAP 4630 C.I. Introduction to expert systems in engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. *Spring*.

EEL 5881 ECS-ECE 3(3,0)
Software Engineering I: PR: COP 4331C or C.I. Design, implementation, and testing of computer software for Engineering applications. *Fall, Spring*.

EEL 5892 ECS-ECE 3(3,0)
Continuous System Simulation II: PR: EEL 4890. Introduction to Simulink. Numerical integration including one-step and multi-step methods. Stiff systems and numerical stability. Simulink projects. *Odd Spring*.

EEL 5936 ECS-ECE 0(1,0)
Current Topics in EECS: PR: Open to all ECE graduate students. Lectures presented by ECE and national lectures will provide our students a broad view of the state of the art EE and CE fields. Graded S/U. *Occasional*.

EES 4111C ECS-CECE 3(2,3)
Biological Process Control: PR: ENV 3001 with a grade of "C" (2.0) or better; CR: ENV 4531. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bio-energy products, wastewater treatment, and others. *Spring*. M&S fee \$59.00

EES 4202C ECS-CECE 4(3,3)
Chemical Process Control: PR: CHM 2046 and ENV 3001 both with a grade of "C" (2.0) or better. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. *Fall*. M&S fee \$60.00

EES 5318 ECS-CECE 3(3,0)
Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of similarities between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. *Occasional*.

EEX 2010 ED-CFCS 3(3,0)
Introduction to Special Education: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. *Fall, Spring*.

EEX 2090 ED-CFCS 3(3,0)
Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. *Fall, Even Spring*.

EEX 2758 ED-CFCS 2(2,0)
Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. *Fall, Spring*.

EEX 3221 ED-CFCS 3(3,0)
Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. *Fall, Spring*.

EEX 3241 ED-CFCS 3(3,0)
Methods for Academic Skills for Exceptional Students: PR: Admission to the CED or Admission to the ESE Minor. Teaching strategies, instructional materials, and monitoring techniques for children and adolescents with special needs. Must be taken before Internship I. *Fall, Spring*.

EEX 3243 ED-CFCS 3(3,1)
Techniques for Exceptional Adolescents-Adults: CR: EEX 3241. A study of strategies, basic and functional content, career and vocational educational, and transition planning for adolescents and adults with special needs. *Spring*.

EEX 3450 ED-CFCS 3(3,0)
Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. *Spring*.

EEX 3942 ED-CFCS 3(3,0)
Internship I Exceptional Education: PR: EDG 4410, RED 3012, EEX 2010, EEX 3241, MAE 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. *Fall, Spring*.

EEX 4054 ED-CFCS 2(2,0)
Application and Theories for Students with Special Needs: PR: EEX 2010. Theories and historical foundations for students with specific learning, physical, cognitive, and emotional disabilities. *Spring*.

EEX 4066 ED-CFCS 3(3,0)
Curriculum, Theory and Instructional Strategies for Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. *Occasional*.

EEX 4070 ED-CFCS 3(3,0)
Teaching Exceptional Students: PR: EDG 4410. Development and practice of effective teaching and management strategies for elementary regular classroom teachers to use in working with mild disabilities. *Fall, Spring*.

EEX 4242 ED-CFCS 3(3,0)
Teaching Exceptional Students in Secondary Settings: PR: EDF 2085. Instructional and management strategies for secondary general education teachers to use in working with students with disabilities. *Fall, Spring*.

EEX 4601 ED-CFCS 3(3,0)
Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. *Fall, Spring*.

EEX 4751 ED-CFCS 3(3,0)
Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child's education. *Occasional*.

EEX 4753 ED-CFCS 3(3,0)
Parent/Professional Collaboration: The special educator's role in working with families, regular educators, and other professionals in a collaborative relationship. *Fall*.

EEX 4757 ED-CFCS 3(3,0)
Respite Care: PR: Junior Standing or C.I. General knowledge and best practice in the field of temporary care: the nature and needs of care givers and care recipients, including special populations. *Fall, Spring*.

EEX 4763 ED-CFCS 3(3,0)
Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. *Fall, Spring*.

EEX 4943 ED-CFCS 12(0,35)
Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. Graded S/U. May be repeated for credit. *Occasional*.

EEX 5051 ED-CFCS 3(3,0)
Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools. *Fall*.

EEX 5702 ED-CFCS 3(3,0)
Planning Curriculum for Pre-Kindergarten Children with Disabilities: Focus on curriculum planning; developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities. *Spring*.

EEX 5750 ED-CFCS 3(3,0)
Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. *Occasional*.

EGM 3601 ECS-MECH/AERO 3(3,0)
Solid Mechanics: PR: EGN 3310 and "C" (2.0) or better in the following MAC 2311C, MAC 2312, MAC 2313 and PHY 2048 CR: MAP 2302. Concepts of stress, strain, deflection; axial force, torsion, bending, combined stress, Mohr's circle, failure theories, design concepts, application to machines and vehicles. *Fall, Spring*.

EGM 3601L ECS-MECH/AERO 2(0,3)
Solid Mechanics Lab: PR: EGM 3601. Solid Mechanics Laboratory experiments covering topics such as tension/compression testing, torsion testing, strain gage measurements, buckling testing, beam bending/deflection testing. *Fall, Spring*. M&S fee \$45.00

EGN 1006C ECS-ECS 1(1,2)
Introduction to the Engineering Profession: PR: New students status or C.I. Overview of academic and professional requirements in various engineering disciplines. *Fall*.

EGN 1007C ECS-ECS 1(1,2)
Engineering Concepts and Methods: PR: EGN 1006C and New student status or C.I. Introduction to the use of computer and applications software in solving engineering problems. Introduction to the concepts of engineering design through the use of teams: engineering communication; engineering professionalism and ethics. *Spring*.

EGN 1036C ECS-IEMS 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Engineering & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. *Fall, Spring*.

EGN 2920C ECS-IEMS 2(1,1)
LEAD Colloquium: PR: C.I., LEAD Scholars Program. Must have completed at least two of the following with a grade of B or better, IDS 1040C, GEB 1091C, EGN 1036C, EDG 1005C or HSC 1931C. Provides experiential leadership experience in an appropriate leadership setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. *Occasional*.



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EGN 3211 ECS-ECE 3(3,0)
Engineering Analysis and Computation: PR: MAC 2312. Engineering analysis and computation with structured constructs. Subscripted variables, functions, input/output. Applications in embedded systems and examples in numerical methods. *Fall, Spring.*

EGN 3310 ECS-CECE 3(3,0)
Engineering Analysis-Statics: PR: MAC 2311C, PHY 2048C both with a grade of "C" (2.0) or better; CR: MAC 2312. Fundamental concepts of mechanics, including resultants of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. *Fall, Spring.*

EGN 3310H ECS-CECE 3(3,0)
Honors Engineering Analysis-Statics: PR: Permission of Honors and MAC 2311C, PHY 2048C both with grades of "C" (2.0) or better; CR: MAC 2312. Advanced treatment of material and additional topics, including project work. With Honors content. *Fall, Spring.*

EGN 3321 ECS-MECH/AERO 3(3,0)
Engineering Analysis-Dynamics: PR: EGN 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. *Fall, Spring.*

EGN 3321H ECS-MECH/AERO 3(3,0)
Honors Engineering Analysis - Dynamics: PR: Permission of Honors and EGN 3310, CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. *Occasional.*

EGN 3331 ECS-CECE 3(3,0)
Mechanics of Materials: PR: EGN 3310 with a grade of "C" or better; CR: MAP 2302. Concepts of stress, strain, strength, deflection of axial force members, shafts in torsion, beams in flexure, combined stress, stability of columns, and design of simple elements. *Fall, Spring.*

EGN 3343 ECS-MECH/AERO 3(3,0)
Thermodynamics: CR: EGN 3321 or EML 3217, MAP 2302. Work, heat, and energy transformations. Relation of properties. Laws, concepts, and modes of analysis common to all applications of thermodynamics in engineering. *Fall, Spring.*

EGN 3343H ECS-MECH/AERO 3(3,0)
Honors Thermodynamics: PR: Honors status; CR: EGN 3321 or EGN 3321H or EML 3217, & MAP 2302. Work, heat, and energy transformations. Relation of properties. Laws, concepts, and models of analysis common to all applications of thermodynamics in engineering. Honors content. *Spring.*

EGN 3358 ECS-MECH/AERO 3(3,0)
Thermo-Fluids-Heat Transfer: PR: EGN 3310, MAP 2302. Introduction to first and second laws of thermodynamics, continuum fluid mechanics, and heat transfer for electrical, industrial, and computer engineering majors. *Fall, Spring.*

EGN 3365 ECS-MSE 3(3,0)
Structure and Properties of Materials: PR: CHS 1440 and MAC 2312. Atomic structure and bonding, crystal structure and imperfections, solidification, phase transformations, phase diagrams, heat treatment, mechanical & electrical properties, materials characterization techniques. *Fall, Spring.*

EGN 3365H ECS-MSE 3(3,0)
Honors Structure and Properties of Materials: PR: MAC 2312, and CHS 1440 or CHM 2045C, and consent of Honors. Atomic bonding; lattices; phonons; crystal structure; diffraction; defects; diffusion; phase equilibria and diagrams; transformations kinetics; mechanical, thermal, electrical, optical, and magnetic properties. With Honors content. *Spring.*

EGN 3373 ECS-ECE 3(3,0)
Principles of Electrical Engineering: PR: PHY 2049C; CR: MAP 2302. Fundamentals of electrical circuits and analysis; fundamentals of electronics and AC power systems, transformers, electromechanics and rotating machines. *Fall, Spring.*

EGN 3373H ECS-ECE 3(3,0)
Honors Principles of Electrical Engineering: PR: Permission of Honors and PHY 2049C, CR: MAP 2302. Fundamentals of electrical circuits and analysis. Fundamentals of electronics and AC power systems, transformers, electromechanics and rotating machines. *Spring.*

EGN 3420 ECS-ECE 3(3,0)
Engineering Analysis: PR: High-level computer language; MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, integration and plotting. *Fall, Spring.*

EGN 3613 ECS-IEMS 2(2,0)
Engineering Economic Analysis: PR: MAC 2311C, not open to Industrial Engineering students. Economic evaluation of engineering alternatives and design. Time value of money and economic impact of taxes, risk, depreciation. *Fall.*

EGN 3935 ECS-ECS 0(2,0)
Leadership in Engineering I: PR: Junior standing in a CECS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. *Fall.*

EGN 3936 ECS-ECS 0(2,0)
Leadership in Engineering II: PR: Junior standing in a CECS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. *Spring.*

EGN 4060C ECS-ECS 3(2,3)
Introduction to Robotics: PR: COP 3223 or EGN 3211; and EEL 3657 or EEL 4742C or COP 3503C or EGN 3321 or EML 3217. Theory and application of robotics topics including: architecture, path planning, sensing and manipulation. *Fall.*

EGN 4412C ECS-MECH/AERO 3(1,5)
Interdisciplinary Design I: PR: Industrial: EIN 4364C; Comp and Elect: EEE 3307C, EEL 3657, EEL 3552C, EEL 3801C; Aero: EAS 3810C, CR: EML 4312C, EAS 4404C; Comp Sci: COT 3960, COP 3503C; Mech: EML 3500, EML 3701, EML 3303C, CR: EML 4312C, EML 4804C. Application of the design process for interdisciplinary students to solve state-of-the-art engineering problems by system analysis, design, integration, manufacture and testing methods. *Fall.*

EGN 4413C ECS-MECH/AERO 3(1,5)
Interdisciplinary Design II: PR: EGN 4412C. Continuation of Interdisciplinary Design I May be repeated for credit. *Spring.*

EGN 4624 ECS-IEMS 3(3,0)
Engineering Administration: PR: Senior standing. Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; R and D planning; ethics in professional practice. *Fall, Spring.*

EGN 4641C ECS-ECS 3(2,2)
Engineering Entrepreneurship: PR: Senior standing, GEB 4152, or C.I. All aspects of a successful engineering entrepreneurship enterprise. Content includes lectures, case studies, and seminars. Active student participation. Course material is augmented through seminars given by engineers, business people, and specialists, based on their own experiences. *Occasional.*

EGN 4706C ECS-MECH/AERO 3(2,4)
Small Satellite Payloads and Integration: PR: EML 3303C OR EAS 3800C OR EEL 3801C OR ESI 4523C. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. *Occasional.* M&S fee \$45.00

EGN 4707C ECS-MECH/AERO 3(2,4)
Processing Space-Launch Systems: PR: For ECE: EEL 3552C or EEL 4742C; For IEMS: ESI 4523C; For MAE: EAS 3800C. Assembly and test techniques for preparing and check-out of the space-launch system "Inertial Upper Stage." May be repeated for credit. *Occasional.*

EGN 4824 ECS-ECS 3(3,0)
Energy and Society: Investigation of available energy forms; energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. *Occasional.*

EGN 4931H ECS-ECS 3(3,0)
Honors Engineering Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. *Occasional.*

EGN 4933C ECS-ECS 1(1,1)
Professional Practice I: PR: Junior standing in engineering or computer science. Contemporary global technical issues, professional development, life long learning, and ethical responsibilities. Community service and/or community outreach projects required. *Occasional.*

EGN 4934C ECS-ECS 2(1,2)
Professional Practice II: PR: EGN 4933C. Continuation of EGN 4933C. *Occasional.*

EGN 5720 ECS-IEMS 3(2,3)
Internal Combustion Engine Analysis and Optimization: PR: EGN 3343 or EGN 3358 or C.I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. *Even Fall, Even Spring.*

EGN 5840 ECS-MECH/AERO 3(3,0)
Small Rocket Applications for Teachers: PR: Admission to Lockheed Martin UCF Teaching Academy. Earth and space environments, rocket propulsion, meteorological and environmental measurements, payload launch procedures, orbits and trajectories, safety, model rocket experiments, field trips, student science experiments. *Occasional.*

EGN 5858C ECS-IEMS 3(2,1)
Prototyping and Product Realization: PR: Basic knowledge and/or experience in CAD/CAM technology or C.I. Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications and practice of rapid prototyping and reverse engineering technologies. *Spring.* M&S fee \$50.00

EIN 2002 ECS-IEMS 1(1,0)
Introduction to Industrial Engineering and Management Systems: PR: Sophomore standing and Industrial Engineering Major Status. Introduction to the profession of Industrial Engineering and important skills necessary for success. Course includes presentations by local IE professionals. *Fall.*

EIN 3314 ECS-IEMS 3(3,0)
Work Analysis and Design: PR: STA 3032 or C.I. Introduction to lean six sigma analysis as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. *Fall.*

EIN 3351 ECS-IEMS 3(3,0)
Engineering Economic Analysis and Cost Engineering: PR: MAC 2311C. Knowledge and understanding of economic evaluation of engineering and management alternatives, cost analysis, budgeting and estimating techniques. *Spring.*

EIN 3354 ECS-IEMS 3(3,0)
Principles of Cost Engineering: PR: EGN 3613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. *Fall.*

EIN 4191C ECS-IEMS 2(2,2)
Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intrapersonal to interpersonal to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. *Fall.*

EIN 4192C ECS-IEMS 2(2,2)
Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. *Spring.*

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EIN 4214 ECS-IEMS 3(3,0)
Safety Engineering and Administration: Analysis of accidents in the industrial operating environment. Application of fault trees, OSHA requirements. Consideration of accident costs and organizational aspects of accident prevention. *Occasional.*

EIN 4243C ECS-IEMS 3(2,2)
Human Engineering: PR: STA 3032 or C.I. Man/machine systems; design and conduct of human engineering studies. *Spring.*

EIN 4333 ECS-IEMS 3(3,0)
Production and Distribution Systems: PR: ESI 4312 or C.I. Decision policies in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. *Spring.*

EIN 4364 ECS-IEMS 3(3,0)
Facilities Planning: PR: EIN 3314, EIN 3351. Planning and design of production systems including interrelationships between process layouts, material handling, warehousing and site selection. *Spring.*

EIN 4391 ECS-IEMS 3(3,0)
Manufacturing Engineering: PR: CHM 2045C or CHS 1440 and Junior Standing or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. *Fall, Spring.*

EIN 4450 ECS-IEMS 3(3,0)
Principles of Concurrent Engineering: PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly. *Even Spring.*

EIN 4516C ECS-IEMS 3(2,2)
Systems Analysis and Design: PR: ESI 4523C, EIN 4364 or C.I. Systems analysis methodology, system requirements, specifications, system design methodology and decision support. Consulting skills and client interactions. Initiation of senior design projects. *Fall.*

EIN 4517 ECS-IEMS 3(3,0)
Systems Engineering: PR: STA 3032 or C.I. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. *Fall.*

EIN 4545 ECS-IEMS 3(3,0)
Industrial Engineering Applications in The Service Industries: PR: EIN 3314, ESI 4312; CR: ESI 4234 or C.I. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. *Fall.*

EIN 4621C ECS-IEMS 3(2,2)
Computer-Aided-Manufacturing: PR: EIN 4391C. Computer-Aided-Manufacturing (CAM) including computer numerical control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP). *Occasional.*

EIN 4891C ECS-IEMS 3(2,3)
Industrial Engineering Senior Design Project: PR: EIN 4516C, ESI 4523C and department consent. Capstone design course; application of IEMS techniques to real-world design applications. *Spring.*

EIN 5108 ECS-IEMS 3(3,0)
The Environment of Technical Organizations: PR: Graduate status or CI; EGN 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. *Fall.*

EIN 5117 ECS-IEMS 3(3,0)
Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. *Spring.*

EIN 5140 ECS-IEMS 3(3,0)
Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project life cycle, quantitative and qualitative methods of cost, schedule, and performance control. *Fall, Spring.*

EIN 5248C ECS-IEMS 3(2,2)
Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. *Fall.*

EIN 5251 ECS-IEMS 3(3,0)
Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and storyboard evaluation; techniques; query techniques; laboratory techniques; and field study approaches. *Occasional.*

EIN 5255C ECS-IEMS 3(2,2)
Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. *Fall, Spring.*

EIN 5317 ECS-IEMS 3(3,0)
Training System Design: PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. *Fall.*

EIN 5346 ECS-IEMS 3(3,0)
Engineering Logistics: Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. *Occasional.*

EIN 5356 ECS-IEMS 3(3,0)
Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. *Spring.*

EIN 5388 ECS-IEMS 3(3,0)
Forecasting: PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. *Occasional.*

EIN 5392C ECS-IEMS 3(2,2)
Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. *Even Spring.*

ELD 4241 ED-CFCS 4(4,0)
Introduction and Program Planning for Specific Learning Disabilities: PR: EEX 2010. Theories and historical foundations of specific learning disabilities and the development of highly specialized techniques and curriculum materials. *Occasional.*

EMA 3000 ECS-MSE 3(3,0)
Engineering Polymeric, Ceramic, and Composite Materials: PR: EGN 3365 or EMA 3706. Structure, properties, processing of engineering polymeric, ceramic, and composite materials. *Occasional.*

EMA 3012C ECS-MSE 3(2,2)
Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGM 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). *Fall, Spring.* M&S fee \$45.00

EMA 3014 ECS-MSE 3(3,0)
Nanomaterials Characterization and Applications: PR: EMA 3691. Microstructural and mechanical characterization of nanostructures, nano-coatings, corrosion, magnetism, quantum dots for solar cells, materials for hydrogen economy, laboratory on material characterization. *Occasional.*

EMA 3124 ECS-MSE 3(3,0)
Design and Selection of Materials: PR: EGM 3601, and EGN 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. *Fall.*

EMA 3691 ECS-MSE 3(3,0)
Nanomaterials Process Engineering: PR: CHS 1440 or CHM 2045C, and PHY 2048 or PHY 2053C and EGN 3365. Nanomaterials, processing, nanomachining, nanocompositions, nanocomposites and computations of devices. *Occasional.*

EMA 3706 ECS-MSE 3(3,0)
Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 2045C and MAC 2312. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design. *Fall.*

EMA 4102 ECS-MSE 3(3,0)
Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3365 or EMA 3706; and a "C" (2.0) or better in all of the following: CHS 1440 or CHM 2045C, MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of first, second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. *Fall.*

EMA 4223 ECS-MSE 3(3,0)
Fundamentals of Mechanical Behavior of Materials: PR: EGM 3601, and EGN 3365 or EMA 3706. Elementary treatment of elasticity, plasticity, viscoelasticity, creep, fracture, and fatigue. *Spring.*

EMA 4413 ECS-MSE 3(3,0)
Fundamentals of Electronic Materials: PR: EGN 3365 or EMA 3706. Electronic processes in solids. Electrical, magnetic, and optical properties of solids. Electron energies in solids. Superconducting materials. *Spring.*

EMA 4501C ECS-MSE 3(2,2)
Scanning Electron Microscopy: PR: EGN 3365 or EMA 3706. A review of electron optics, beam/specimen interactions, image formation, x-ray analysis, specimen preparation, microelectronic applications, and crystallography in the SEM. *Occasional.*

EMA 4503 ECS-MSE 3(3,0)
Materials Characterization Techniques: PR: EMA 3012C, and EGN 3365 or EMA 3706. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. *Occasional.*

EMA 4506 ECS-MSE 3(3,0)
Emerging Materials: PR: EGN 3365, or EMA 3706. Structure, properties and processing of modern emerging materials. *Occasional.*

EMA 5060 ECS-MSE 3(3,0)
Polymer Science and Engineering: PR: EGN 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. *Occasional.*

EMA 5104 ECS-MSE 3(3,0)
Intermediate Structure and Properties of Materials: PR: EGN 3365. Fundamentals of dislocation theory, metallurgical thermodynamics and diffusion. Phase transformations, strengthening mechanisms and fracture. Introduction to engineering polymers, ceramics, and composites. *Fall.*

EMA 5106 ECS-MSE 3(3,0)
Metallurgical Thermodynamics: PR: EGN 3365. Laws of thermodynamics, phase equilibria, reactions between condensed and gaseous phases, reaction equilibria in condensed solution and phase diagrams. *Occasional.*

EMA 5108 ECS-MSE 3(3,0)
Surface Science: PR: PHY 2049C and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. *Occasional.*

EMA 5140 ECS-MSE 3(3,0)
Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. *Occasional.*

EMA 5317 ECS-MSE 3(3,0)
Materials Kinetics: PR: C.I. Mass and thermal transport, phase transformations and Arrhenius rate processes. *Occasional.*



EMA 5326 ECS-MSE 3(3,0)
Corrosion Science and Engineering: PR: EGN 3365. Electrochemical principles and applications to detecting and monitoring corrosion processes. Various forms of corrosion, their causes and control. Techniques of corrosion protection. *Occasional.*

EMA 5415 ECS-MSE 3(3,0)
Electronic Principles of Materials Properties: PR: EGN 3365 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. *Fall.*

EMA 5504 ECS-MSE 3(2,2)
Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. *Occasional.*

EMA 5505 ECS-MSE 3(2,2)
Scanning Electron Microscopy: PR: EMA 5104 or C.I. A review of electron optics, beam/specimen interactions, image formation, X-ray analysis, specimen preparation, microelectronic applications and crystallography in the SEM. *Occasional.*

EMA 5584 ECS-MSE 3(3,0)
Biomaterials: PR: EGN 3365. Properties of natural biological materials and their relation to microstructure, biocompatibility, specific applications in orthopedic, cardiovascular, visual, neural, and reconstruction implants. *Even Spring.*

EMA 5585 ECS-MSE 3(3,0)
Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. *Odd Fall.*

EMA 5586 ECS-MSE 3(3,0)
Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties basic to photovoltaics, structures, homojunction, heterojunction, and surface barrier solar cells, AMDS-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. *Occasional.*

EMA 5587C ECS-MSE 3(2,2)
Characterization and Reliability of PV Cells: PR: EGN 3365. Photovoltaic characterization of solar cells, dark and light I-V, C-V, and quantum efficiency, physics of failure of microelectronic devices, solder bonds, encapsulation, PV module reliability. *Occasional.*

EMA 5588 ECS-MSE 3(3,0)
Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterials interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanostructured biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. *Occasional.*

EMA 5610 ECS-MSE 3(3,0)
Laser Materials Processing: PR: EGN 3343 or EMA 5106 or C.I. Laser beam optics; laser-material interactions; laser heating, melting, vaporization. Plasma formation; laser surface treatment, welding, machining; laser material synthesis. Thin film deposition, crystal growth. *Occasional.*

EMA 5705 ECS-MSE 3(3,0)
High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. *Occasional.*

EME 2040 ED-TL&L 3(3,0)
Introduction to Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. *Fall, Spring.*

EME 2041 ED-E&HS 3(3,0)
Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. *Occasional.*

EME 4312 ED-E&HS 3(3,0)
Applications of Technology in Education: Classroom applications of instructional media, including computers. Includes experiences with equipment, commercial and teacher-made media, and their uses. *Occasional.*

EME 5050 ED-E&HS 3(3,0)
Fundamentals of Technology for Educators: PR: Post bac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. *Fall, Spring.*

EME 5051 ED-E&HS 3(3,0)
Technologies of Instruction and Information Management: PR: Acceptance into Ed Media program or C.I. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. *Fall.*

EME 5053 ED-E&HS 3(3,0)
Electronic Resources for Education: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. *Fall.*

EME 5208 ED-E&HS 3(3,0)
Production Techniques for Instructional Settings: PR: Acceptance into Ed Media Program or C.I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional and communication theories. *Spring.*

EME 5225 ED-E&HS 3(3,0)
Media for Children and Young Adults: PR: Acceptance into Ed Media Program or C.I. Survey of materials for children's and young adults' informational and recreational needs; analysis, evaluation, and utilization of print and non-print materials. *Spring.*

EME 5811 ED-E&HS 1(1,0)
Teaching and Learning with Technology: Overview of technologies for teaching and for learning. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. *Occasional.*

EML 3001C ECS-MECH/AERO 1(1,2)
Machine Shop Practice: PR: EGM 3601, EGN 3365 or EMA 3706. Set up and operation of mill and lathe, cutting tools, holding devices, cutting speeds and feed rates. Measurement devices. Hands-on experience. *Occasional.* M&S fee \$29.00

EML 3034C ECS-MECH/AERO 3(3,1)
Modeling Methods in Mechanical and Aerospace Engineering: PR: "C" (2.0) or better in all of the following prerequisites: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048C. CR: EML 3217 and EAS 3990 or EML 3990. Computer aided modeling of mechanical and aerospace systems. Solution methods. Curve fitting. Numerical calculus and solution of differential equations with applications to mechanical and aerospace engineering. *Fall, Spring.*

EML 3101 ECS-MECH/AERO 3(3,0)
Thermodynamics of Mechanical Systems: PR: EGN 3343 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Applied thermodynamics, availability analysis, thermodynamics of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems. *Fall.*

EML 3217 ECS-MECH/AERO 3(3,0)
Engineering Mechanics - Dynamics: PR: MAC 2313 with a grade of "C" (2.0) or better, EGN 3310; CR: MAP 2302. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum, introduction to kinematics of mechanisms; introduction to 3D rigid body dynamics; central force. *Fall, Spring.*

EML 3262 ECS-MECH/AERO 3(3,0)
Kinematics of Mechanisms: PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. *Fall.*

EML 3303C ECS-MECH/AERO 3(2,3)
Mechanical Engineering Measurements: PR: EGN 3343, CR: EGM 3601. Theory, calibration and use of instruments. Measurement techniques, data analysis, report writing. Laboratory topics related to mechanical engineering. *Fall.* M&S fee \$15.00

EML 3500 ECS-MECH/AERO 3(3,0)
Design and Analysis of Machine Components: PR: EGM 3601. Application of the principles of mechanics of materials to the design of mechanical components. *Fall, Spring.*

EML 3701 ECS-MECH/AERO 3(3,0)
Fluid Mechanics I: PR: EML 3217, EGN 3343 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048C. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. *Fall, Spring.*

EML 3990 ECS-MECH/AERO 0(0,0)
Mechanical Career and Academic Faculty Advising I: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. *Fall, Spring.*

EML 4005 ECS-MECH/AERO 3(3,0)
Design in Nature and Engineering: PR: EGN 3343 and EGM 3601. Design for function and invention, in both engineering and nature: economy, form, beauty, energy, mechanism, structure, evolution in nature. *Occasional.*

EML 4024C ECS-MECH/AERO 3(2,2)
Engineering Design Practice: PR: EML 3034C and EML 3500 or EAS 4200. Basic CAD/CAM solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. *Fall, Spring.*

EML 4142 ECS-MECH/AERO 3(3,0)
Heat Transfer: PR: EML 3701 and EML 3034C. Conduction, radiation, and convection heat transfer. Basic energy balances emphasized. Steady state and transient problems, analysis and design of simple heat exchangers. *Fall, Spring.*

EML 4143 ECS-MECH/AERO 3(3,0)
Heat Transfer II: PR: EML 4142. Advanced topics in heat transfer, multi-dimensional conduction, transient conduction, convection heat transfer, participating medium, boiling and condensation. *Fall.*

EML 4145 ECS-MECH/AERO 2(2,0)
Topics in Heat Transfer: PR: EML 3701, EML 3034C; CR: EML 4142. Boiling and condensation heat transfer. Radiation heat transfer in enclosures without and with participating media. Multi-mode heat transfer. *Spring.*

EML 4220 ECS-MECH/AERO 3(3,0)
Vibration Analysis: PR: EGN 3321, EGM 3601 and EML 3034C. Undamped and damped vibration of single degree freedom systems. Forced vibration. Transient response. Multiple degree of freedom systems. Normal modes. *Spring.*

EML 4221C ECS-MECH/AERO 2(1,2)
Mechanical Systems Experimental Techniques: PR: EML 3303C or EAS 3800C; CR: EML 4220 or EAS 4210. Provides a teaching/laboratory of dynamic vibration and modal analysis testing and theory using modern instrumentation and software tools to develop competence in designing and conducting tests, analysis and interpreting engineering data. *Occasional.* M&S fee \$35.00

EML 4225 ECS-MECH/AERO 3(3,0)
Introduction to Vibrations and Controls: PR: EML 3217, EGM 3601, EML 3034C, EGN 3373. Free and forced vibration of multi degree of freedom systems, natural modes; open vs closed loop control, time and frequency domain design of control systems. *Fall, Spring.*

UCF Courses and Descriptions

EML 4231L ECS-MECH/AERO 3(0,3)
Advanced Mechanics of Structures: PR: EGM 3601. An in depth analysis of the various modes of mechanical failure and characterization of structures with applications in MAE. *Fall, Spring.*

EML 4260 ECS-MECH/AERO 3(3,0)
Dynamics of Machinery: PR: EML 3262 or EML 3217, EML 4220 or EML 4225. Critical speeds and response of flexible rotor systems; whirl, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics. *Occasional.*

EML 4264 ECS-MECH/AERO 3(3,0)
Vehicle Dynamics: PR: EML 3262 or EML 3217, EML 4220 or EML 4225. Basic mechanics governing vehicle dynamics, performance and handling; acceleration, braking, ride, cornering, suspension, steering, rollover. *Occasional.*

EML 4293C ECS-MECH/AERO 3(2,2)
Essentials of Miniature Engineering Systems: PR: EGM 3601, EGN 3365 or EMA 3706. Engineering of miniature mechanical, thermal, energy, and electrical systems, including advantages, microfabrication methods, and future trends. *Occasional.*

EML 4301C ECS-MECH/AERO 3(2,3)
Mechanical Systems Lab: PR: EML 3303C, EGM 3601; CR: EML 4225. Teaching laboratory in solid mechanics, dynamic vibrations and control-feedback testing and theory; designing and conducting experiments; analyzing and interpreting data. *Spring.*

EML 4304C ECS-MECH/AERO 2(1,3)
Design of Thermo-Fluid Experiment: PR: EML 3303C, CR: EML 4142, EML 4220. Measurements and experiments in Thermo-Fluids systems with emphasis on project team activity. *Spring.* M&S fee \$45.00

EML 4306C ECS-MECH/AERO 3(1,3)
Energy Systems Lab: PR: EML 3303C; CR: EML 4142. Design of experiments in Thermo-Fluid Systems with emphasis on project team activity. *Spring.*

EML 4309C ECS-MECH/AERO 3(1,3)
Experimental Mechanics: PR: EGM 3601, and EML 3303C or EAS 3800C. Experimental application of the principles of solid mechanics with treatment of manufacturing. *Fall, Spring.*

EML 4312C ECS-MECH/AERO 3(2,3)
Feedback Control: PR: EGN 3321, MAP 2302, EGN 3373 and EML 4220 or EAS 4210C. Mathematical modeling of dynamic systems: transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design. *Fall.*

EML 4313 ECS-MECH/AERO 3(3,0)
Intermediate System Dynamics and Controls: PR: EML 3217, MAP 2302, EGN 3373 and EML 4225. 3D rigid body kinetics, modal analysis, state equations, systems concepts, stability criteria, role of uncertainty in feedback, z-transform and introduction to digital control. *Fall.*

EML 4411 ECS-MECH/AERO 3(3,0)
Mechanical Power Systems: PR: EML 3101. Analysis and design of large power generating systems and components, with emphasis on steam plants utilizing both chemical and nuclear fuels. *Occasional.*

EML 4454 ECS-MECH/AERO 3(3,0)
Turbines for Sustainable Power: PR: EGM 3601, EGN 3365 or EMA 3706, EML 3701 or EAS 3101, EML 4142; CR: EML 4220 or EAS 4210. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of conventional and green technologies. *Occasional.*

EML 4501C ECS-MECH/AERO 3(1,6)
Engineering Design I: PR: EML 3701, EML 3303C, EML 4142 and department consent; CR: EML 4991. Application of the design process in the team solution of a state-of-the-art problem. Aerospace, mechanical, thermo-fluid, or material problems are considered. *Fall, Spring.*

EML 4502C ECS-MECH/AERO 3(1,6)
Engineering Design II: PR: EML 4501C, EML 4991. Continuation of the design process in the team building and testing of a prototype. A test plan and a test report are completed. *Fall, Spring.* M&S fee \$60.00

EML 4504 ECS-MECH/AERO 3(3,0)
Design & Analysis of Machine Components II: PR: EML 3500; CR: EML 4535C. Application of the principles of component analysis to the design of mechanisms. *Spring.*

EML 4535C ECS-MECH/AERO 3(2,3)
CAD/CAM: PR: EGN 3343, EML 3034C, and EGM 3601; CR EAS 4200 or EML 3500. CAD/CAM/FEM computational technology. Basic concepts. Concurrent engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. *Fall, Spring.*

EML 4600 ECS-MECH/AERO 3(3,0)
HVAC Systems Engineering: PR: EGN 3343. Heating, ventilation, air-conditioning, and refrigeration principles and systems design. Psychrometrics, heating and cooling loads, equipment and components, and distribution systems. *Fall.*

EML 4602 ECS-MECH/AERO 3(3,0)
Applied HVAC Engineering: PR: EGN 3343; CR: EML 4142. Applications of HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation, and indoor air quality. Dehumidification performance of the various HVAC system types and their interactions with the building. *Spring.*

EML 4703 ECS-MECH/AERO 3(3,0)
Fluid Mechanics II: PR: EML 3701. Continuation of Fluid Mechanics I. External flows, fluid machinery, compressible flows, design projects. *Fall.*

EML 4804C ECS-MECH/AERO 3(2,3)
Digital Control in Mechatronics: PR: EML 4312C and EML 3303C. Discrete microprocessor control of mechatronics dynamic systems using state-space representation, digital controllers, design for mechatronic applications. *Spring.* M&S fee \$15.00

EML 4991 ECS-MECH/AERO 0(0,0)
Mechanical Career and Academic Faculty Advising II: PR: EML 3990 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. *Fall, Spring.*

EML 5026C ECS-MECH/AERO 3(2,2)
Advanced Engineering Design Practice: PR: EGM 3601; CR: (EML 3500 or EAS 4200) and (EML 4220 or EAS 4210). Designed to familiarize students with the basic CAD/CAM solid modeling techniques in a project oriented environment. Construct part models, drawings, and assemblies. Use of in-house software. *Occasional.*

EML 5060 ECS-MECH/AERO 3(3,0)
Mathematical Methods in Mechanical and Aerospace Engineering: PR: MAP 2302. Vector field theory, generalized coordinates, complex variables, contour integration and Laplace and Fourier transforms and inversions, variable coefficient ODEs and solution of PDEs for governing equations of heat transfer, ideal fluid flow, and mechanics. *Fall.*

EML 5066 ECS-MECH/AERO 3(3,0)
Computational Methods in Mechanical and Aerospace Engineering: PR: EML 3034C. Error Norms, interpolation and extrapolation, quadratures and adaptive quadratures, solutions of linear and nonlinear systems of equations, functional approximation, solution of ODE's and MWR. *Occasional.*

EML 5090 ECS-MECH/AERO 0(0,0)
Mechanical and Aerospace Seminar: PR: Graduate standing or C.I. The course is intended to help MAE graduate students practice public speaking, learn skills of scientific communication, expand their width of knowledge, and promote collaborations. May be repeated. *Odd Spring.*

EML 5105 ECS-MECH/AERO 3(3,0)
Gas Kinetics and Statistical Thermodynamics: PR: EAS 4134 or EML 4703. Molecular and statistical viewpoint of gases and thermodynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems. *Occasional.*

EML 5152 ECS-MECH/AERO 3(3,0)
Intermediate Heat Transfer: PR: EML 4142, EML 5060. An intermediate-level course dealing with heat and mass diffusion, boundary layer problems, and radiation from real bodies. Emphasis on combined modes, numerical methods. *Occasional.*

EML 5228C ECS-MECH/AERO 3(3,0)
Modal Analysis: PR: EML 3303C, EML 4220, and EML 5060. Theoretical basis. Measurement techniques, excitation, transducers, data acquisition. Detailed data analysis, modal parameter extraction, curve-fitting procedures. Modeling. *Occasional.*

EML 5237 ECS-MECH/AERO 3(3,0)
Intermediate Mechanics of Materials: PR: EML 3500 or EAS 4200. Elements of elasticity. Failure theories. Bending and torsion. Thin plates. Energy principles. Thick-walled cylinders. Applications to design. *Fall.*

EML 5271 ECS-MECH/AERO 3(3,0)
Intermediate Dynamics: PR: EGN 3321 or EML 3217. Dynamics of particles, rigid bodies, and distributed mass systems. Topics include: Hamilton's principle, Lagrange's equations, Numerical methods, and Mechanisms. *Occasional.*

EML 5290 ECS-MECH/AERO 3(3,0)
Introduction to MEMS and Micromachining: PR: Graduate standing or C.I. Introduction of Micro-Electro-Mechanical-Systems (MEMS) and micromachining (microfabrication) methods. Etching and etching mask. Basics of silicon macromachining processing. Fundamentals of bulk micromachining. Thin film formation and surface micromachining. Microplating and LIGA process. Nonlithographic micromachining process including laser. May be repeated for credit. *Odd Fall.*

EML 5291 ECS-MECH/AERO 3(3,0)
MEMS Materials: PR: EML 5060, EML 6211, or C.I. Introduction of materials that are frequently used for MEMS applications such as silicon, metal, ceramics and polymers. The course will focus on fundamental principles involved in structures and properties of the materials, and their applications in MEMS. *Even Spring.*

EML 5292 ECS-MECH/AERO 3(3,0)
Fundamental Phenomenon and Scaling laws in Miniature Engineering Systems: PR: EML 5060, EML 6211, or C.I. Introduction to meso-, micro-, and nano-scales, and related terminology, constitutive relationships at these scales and how these relationships affect the behavior and performance of systems. Effect of miniaturization on a few common engineering systems. *Odd Fall.*

EML 5311 ECS-MECH/AERO 3(3,0)
System Control: PR: EML 4312C; CR: EML 5060. Modern control theory for linear and non-linear systems; controllability and observability. Linear state feedback and state estimators, compensator design. *Occasional.*

EML 5402 ECS-MECH/AERO 3(3,0)
Turbomachinery: PR: EML 3101, EML 4703 or EAS 4134. Application of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps. *Occasional.*

EML 5403 ECS-MECH/AERO 3(3,0)
Science and Technology of Fuel Cells: PR: EGN 3365, EMA 4102 or C.I. Fundamental knowledge along with hands-on experience with design, manufacturing and operation of fuel cells. *Occasional.*

EML 5430C ECS-MECH/AERO 3(2,3)
Design for Manufacturing in Turbomachinery: Gas/Steam/Wind Turbines & Generators: PR: EGN 3365 or EMA 3706. Overall assembly of rotating and stationary components in power generation powertrains; probabilistic design, materials, coatings, manufacturing steps, defects for gas/steam/wind turbines and generators. *Fall.*



EML 5431C ECS-MECH/AERO 3(2,3)
Design for Mechanical & Dynamic Integrity and Reliability in Turbomachinery: PR: EGM 3601, EML 4220 or EML 4225, EGN 3365 or EMA 3706. Mechanical & dynamic integrity issues such as creep, fatigue, fracture, rotordynamics, vibration, flutter, as related to turbines and generators; reliability; cost-time-performance trade-off in design. *Spring*.

EML 5456 ECS-MECH/AERO 3(3,0)
Turbines for Sustainable Power: PR: EGM 3601, (EGN 3365 or EMA 3706), (EML 3701 or EAS 3101); CR: (EML 4220 or EAS 4210), EML 4142. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of convention and green technology. *Fall*.

EML 5532C ECS-MECH/AERO 3(2,3)
Computer-Aided Design for Manufacture: PR: EGN 4535C. Builds on introductory material covered in EML 4535C. Topics include computer modeling for the synthesis, simulation, design and manufacture of mechanical, thermal, and aerospace systems. *Occasional*. M&S fee \$15.00

EML 5546 ECS-MECH/AERO 3(3,0)
Engineering Design with Composite Materials: PR: EML 5237. Mechanics of structural components of composite materials under static, thermal, vibratory loads. Instability. Lamina and laminate theory, energy methods, failure theories, and structural joining methods. *Occasional*.

EML 5572 ECS-MECH/AERO 3(3,0)
Probabilistic Methods in Mechanical Design: PR: EML 3500, STA 3032. Uncertainty modeling in design. Use of probabilistic mathematics to assess strength, stiffness, toughness, and stability. Applications. *Occasional*.

EML 5587C ECS-MECH/AERO 3(2,3)
Mechanics of Biostructures I: PR: Graduate standing or C.I. Part I of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. *Occasional*.

EML 5588C ECS-MECH/AERO 3(2,3)
Mechanics of Biostructures II: PR: EML 5587C. Part II of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. *Occasional*.

EML 5713 ECS-MECH/AERO 3(3,0)
Intermediate Fluid Mechanics: PR: EML 4703. CR: EML 5060. Fluid kinematics; conservation equations; Navier-Stokes equations; boundary layer flow, inviscid flow, circulation and vorticity; low Reynolds number flow; turbulence. *Occasional*.

EML 5760 ECS-MECH/AERO 3(3,0)
Biofluid Mechanics: PR: MAP 2302, EML 3701, EML 4703. Analysis of biomedical and bioengineering systems using principles of transport phenomena. Governing equations of fluid flow, circulatory systems blood flow, macro and microcirculation, and blood rheology. *Occasional*.

EML 5761C ECS-MECH/AERO 3(3,2)
Applied and Computational Biofluids: PR: EML 4304C, EML 4703. Principles and foundations of applied fluid mechanics and computational methods to the human circulation. In addition to case studies, the course provides laboratory experiences in bioengineering with application to biofluid mechanics. *Odd Spring*.

EML 5936 ECS-MECH/AERO 1(1,0)
Mechanical, Materials, and Aerospace Engineering Graduate Seminar: MAAE graduate student seminar. Graded S/U. *Occasional*.

ENC 1101 CAH-WRITE 3(3,0)
Composition I: Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. *Fall, Spring*.

ENC 1101H CAH-WRITE 3(3,0)
Honors Freshman Composition I: PR: Score of 60+ on TSWE of SAT or C.I. and permission of Honors. Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Honors-level content. *Fall, Spring*.

ENC 1102 CAH-WRITE 3(3,0)
Composition II: PR: ENC 1101 with a grade of "C-" or better. Focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. The "NC" grading policy applies to this course. *Fall, Spring*.

ENC 1102H CAH-WRITE 3(3,0)
Honors Freshman Composition II: PR: ENC 1101H with a grade of "C-" or better or C.I. and permission of Honors. Same as ENC 1102, with honors-level content. Note on Freshman English Program: ENC 1101 and 1102 must be taken before enrolling in any English course numbered above 1102. The "NC" grading policy applies to this course. *Fall, Spring*.

ENC 1130 CAH-WRITE 3(3,0)
Improving College-Level Writing: Entry-level writing course designed to prepare students to read and write effectively at the college level. *Fall*.

ENC 2127 CAH-ENG 3(3,0)
Grammar and Composition: A systematic study of grammar and mechanics to improve editing for clarity and accuracy in writing. *Occasional*.

ENC 2411C CAH-ENG 3(2,1)
Digital Literacy for the Liberal Arts: Designed to help students better understand how computer technologies have shaped our culture and ourselves; to become critical consumers of technology; to acquire a critical sensibility regarding the manner in which technology affects and is affected by texts. *Occasional*.

ENC 3211 CAH-ENG 3(3,0)
Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, or C.I. Exploring definitions and theoretical foundations in technical writing field, and the roles of writers in industry. *Fall, Spring*.

ENC 3211H CAH-ENG 3(3,0)
Honors Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better in ENC 1102H or equivalent credit, and Consent of Honors. Definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. With Honors Content. *Occasional*.

ENC 3241 CAH-ENG 3(3,0)
Writing for the Technical Professional: PR: Grade of C (2.0) or better in ENC 1102, junior standing, or C.I. Writing effective correspondence, instructions, proposals, and informal and formal reports. *Fall, Spring*.

ENC 3241H CAH-ENG 3(3,0)
Honors Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102H or equivalent credit, and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design of data, and translation of technical documents for the lay audience. With Honors content. *Occasional*.

ENC 3250 CAH-ENG 3(3,0)
Professional Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, and 12 upper division hours in the student's major. Major elements of professional writing with emphasis on composition of reports, proposals, letters, and memos. *Fall, Spring*.

ENC 3310 CAH-ENG 3(3,0)
Magazine Writing I: PR: Grade of C (2.0) or better required in ENC 1102. Intensive practice in description narration, exposition and argumentation; control of tone, mood, viewpoint, and level of diction. Applicable to article, essay, and short story writing. *Fall, Spring*.

ENC 3311 CAH-WRITE 3(3,0)
Essay as Cultural Commentary: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Rhetorical and historical study, analysis, and writing of essay as reflective exploration and cultural commentary. *Fall, Spring*.

ENC 3314 CAH-WRITE 3(3,0)
Writing in the University: PR: Grade of "C" (2.0) or better in ENC 1102 or equivalent or C.I. Study and practice of research, writing, and rhetorical skills that enable successful (inter)disciplinary writing in and across the university. *Fall, Spring*.

ENC 3315 CAH-WRITE 3(3,0)
Argumentative Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. Students will analyze current issues, assess others' arguments, and construct various types of arguments, including visual and multimedia. *Fall, Spring*.

ENC 3330 CAH-WRITE 3(3,0)
Rhetorical Traditions: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines the roots of rhetoric and the evolution of its theoretical, pedagogical and civic tradition. *Even Spring*.

ENC 3331 CAH-WRITE 3(3,0)
Rhetoric and Civic Engagement: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. *Fall, Spring*.

ENC 3331H CAH-WRITE 3(3,0)
Honors Rhetoric and Civic Engagement: PR: Consent of Honors. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. With Honors Content. *Even Spring*.

ENC 3351 CAH-WRITE 3(3,0)
Writing for Publication: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines freelance markets, article genre, and the rhetorical skills needed to design and produce articles for specific audiences and publications. *Occasional*.

ENC 3351H CAH-WRITE 3(3,0)
Honors Writing for Publication: PR: Grade of "C" (2.0) or better required in ENC 1102, and consent of Honors. Examines freelance markets, article genres, and rhetorical skills needed to design and produce articles for specific audiences and publications, and editorial roles for publications. With Honors content. *Occasional*.

ENC 3372 CAH-WRITE 3(3,0)
Topics in Civic Rhetoric and Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to civic rhetoric and writing. *Occasional*.

ENC 3373 CAH-WRITE 3(3,0)
Cultural Rhetorics: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of the diverse cultural production of and the cultural forces impacting the rhetoric of individuals and communities. *Occasional*.

ENC 3375 CAH-WRITE 3(3,0)
Rhetoric in Popular Culture: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Exploration of how persuasion works in a specific set of popular culture discourses, such as sports, music, and gaming. *Occasional*.

ENC 3417 CAH-WRITE 3(3,0)
Literacy and Technology: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of technology's impact on writing and literacy, focus on new media. *Spring*.

ENC 3433 CAH-WRITE 3(3,0)
Multimedia Writing and Composition: PR: "C" (2.0) or better in ENC 1102 or C.I. Study and practice of multimedia writing (involving sound, visual, and linguistic forms) with an emphasis on the process of text production and remixing for different rhetorical contexts and audiences. *Occasional*.

ENC 3453 CAH-WRITE 3(3,0)
Writing About Health and Medicine: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Writing practices and genres of the health professions, with emphasis on writing about health and medicine for lay audiences. *Occasional*.



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ENC 3454 CAH-WRITE 3(3,0)
Topics in Professional and Digital Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to professional and/or digital writing. *Occasional.*

ENC 3455 CAH-WRITE 3(3,0)
Writing about Science and Technology: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Writing about scientific and technological research and developments for non-scientific audiences (including novices and policymakers). *Occasional.*

ENC 3455H CAH-WRITE 3(3,0)
Honors Writing About Science and Technology: PR: Consent of Honors. Writing about scientific and technological research and issues for nonscientific audiences, including laypeople and policymakers. With Honors content. *Occasional.*

ENC 3456H CAH-WRITE 3(3,0)
Honors Writing about Health and Medicine: PR: Consent of Honors. Writing practices and genres of the health professions, with emphasis on writing about health and medicine for lay audiences. With Honors content. *Occasional.*

ENC 3473 CAH-WRITE 3(3,0)
Writing in Disciplinary Cultures: PR: Grade of "C" (2.0) or better required in ENC 1102. Project-based study of writing (including genres, conventions, and arguments) in disciplines across the university. *Occasional.*

ENC 3502 CAH-WRITE 3(3,0)
Researching Writing and Literacy: PR: Grade of "C" (2.0) or better required in ENC 1102. Overview of important knowledge domains and lines of inquiry in writing and literacy research, with emphasis on research methodologies. *Occasional.*

ENC 3503 CAH-WRITE 3(3,0)
Topics in Writing & Literacy Studies: PR: Grade of "C" (2.0) or better required in ENC 1102. An in-depth study of and practice with a specific issue related to language theory and/or the teaching of writing. *Occasional.*

ENC 3521 CAH-WRITE 3(3,0)
Writing Across Difference: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines cultural influences on language and literacy practices, with emphasis on applications for writing teachers. *Occasional.*

ENC 3905 CAH-ENG 3(3,0)
Directed experience in Writing: PR: Grade of C (2.0) or better required in ENC 1102 and C.I. Individualized topics of study and/or research in writing with personalized faculty direction. May be repeated for credit. *Occasional.*

ENC 3942 CAH-ENG 3(3,0)
Journal Writing Practicum: PR: Grade of C (2.0) or better required in ENC 1102. An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. *Occasional.*

ENC 4212 CAH-WRITE 3(3,0)
Professional Editing: PR: Grade of "C" (2.0) or better required in ENC 1102. Students will perform different types and levels of editing on a range of print and online texts from business and nonprofit contexts. *Even Fall.*

ENC 4215 CAH-ENG 3(3,0)
Technical Publication and Project Management: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technology, stressing composition and printing; word processing, automated text processing, methods of reproduction. Introduction of graphics; style, format, layout, and boardwork. *Spring.*

ENC 4218 CAH-ENG 3(3,0)
The Visual in Technical Documentation: PR: Grade of C (2.0) or better required in ENC 4293. Relevant theories of the visual and their application to technical communication practice. *Fall.*

ENC 4262 CAH-ENG 3(3,0)
International Technical Communication: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. International issues in the field of technical communication including internationalizing documents, user interface design, international collaboration, and rhetorical and logistical challenges. *Occasional.*

ENC 4265 CAH-ENG 3(3,0)
Writing for the Computer Industry: PR: Grade of C (2.0) or better in ENC 1102 and junior standing, or C.I. Creating different kinds of software manuals or online help systems for the computer industry. *Occasional.*

ENC 4275 CAH-WRITE 3(3,0)
Theory and Practice of Tutoring Writing: PR: Grade of "C" (2.0) or better in ENC 1102 and C.I. Theory and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator. *Fall.*

ENC 4280 CAH-ENG 3(3,0)
Technical Writing Style: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. *Spring.*

ENC 4290 CAH-ENG 3(3,0)
Usability Testing for Technical Communication: PR: Grade of C (2.0) or better required in ENC 4293 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical communication genres. *Occasional.*

ENC 4293 CAH-ENG 3(3,0)
Documentation and the Collaborative Process: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include style manuals, policies and procedures, and training manuals. *Fall, Spring.*

ENC 4294 CAH-ENG 3(3,0)
Documentation and Client-Based Collaboration: PR: Grade of C (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student's particular field. Should be taken concurrently with ENC 4215. *Fall, Spring.*

ENC 4298 CAH-ENG 3(3,0)
Technical Communication for the Virtual Workplace: PR: ENC 1102. Collaborative technologies used in the modern workplace and the challenges associated with virtual collaboration. Students will participate in a virtual team project. *Fall, Spring.*

ENC 4312 CAH-ENG 3(3,0)
Theory & Practice Persuasive Writing: PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical emotional and ethical appeals. *Occasional.*

ENC 4313 CAH-ENG 3(3,0)
Research Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. *Occasional.*

ENC 4353 CAH-WRITE 3(3,0)
Writing for Social Change: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Study of how activist writing and other symbolic action can be used to mobilize social or policy change around contemporary controversial issues. *Occasional.*

ENC 4354 CAH-WRITE 3(3,0)
Writing with Communities and Nonprofits: PR: Grade of "C" (2.0) or better required in ENC 1102. Study and practice of methods for writing in partnership with nonprofits and the communities they serve, with an emphasis on audience analysis and community engagement. *Occasional.*

ENC 4354H CAH-WRITE 3(3,0)
Honors Community-Based Research and Writing: PR: Grade of "C" (2.0) or better required in ENC 1102, and consent of Honors. Study, application, assessment, and presentation of community-based research and writing using various methods, including intercultural inquiry. With Honors content. *Occasional.*

ENC 4360 CAH-ENG 3(3,0)
Nature Writing: PR: Grade of C (2.0) or better required in CRW 3013 and CRW 3053. English major or minor and junior standing, or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. *Occasional.*

ENC 4374 CAH-WRITE 3(3,0)
Gendered Rhetorics: PR: Grade of "C" (2.0) or better required in ENC 1102. Historical and theoretical study of gendered rhetorical practices, with emphasis on women rhetors. *Occasional.*

ENC 4378 CAH-WRITE 3(3,0)
Writing in Global and Transnational Contexts: PR: "C" (2.0) or better in ENC 1102 or C.I. Examination of the ways language and rhetoric travel across cultures and countries, with practice strategies for transnational communication with local and global audiences. *Occasional.*

ENC 4414 CAH-ENG 3(3,0)
Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensibility regarding hypertext. *Occasional.*

ENC 4415 CAH-ENG 3(3,0)
Digital Rhetorics and The Modern Dialectic: PR: Grade of "C" (2.0) or better required in ENC 1102. Explores the development of digital rhetorics appearing in online environments through close reading and analysis of formative rhetorical texts, fiction, and internet materials. *Fall, Spring.*

ENC 4416 CAH-WRITE 3(3,0)
Writing in Digital Environments: PR: Grade of "C" (2.0) or better required in ENC 1102. Study and practice of new media/Internet writing and publishing, covering a range of online and multimedia genres. *Occasional.*

ENC 4416H CAH-WRITE 3(3,0)
Honors Writing in Digital Environments: PR: Consent of Honors. Critical and rhetorical engagement with digital writing and networked systems, including a range of online media and genres. With Honors content. *Occasional.*

ENC 4504 CAH-WRITE 3(3,0)
Contemporary Composition Theory: PR: Grade of "C" (2.0) or better required in ENC 1102. Considers major theoretical paradigms and more emergent theoretical explorations in modern and contemporary composition studies. *Occasional.*

ENC 4523 CAH-WRITE 3(3,0)
Writing and Identity: PR: Grade of "C" (2.0) or better required in ENC 1102. Explores the role of identity in writing, particularly negotiating gender, race, class, sexual identity and other difference issues. *Occasional.*

ENC 4544 CAH-WRITE 3(3,0)
Writing Pedagogy: PR: Grade of "C" (2.0) or better required in ENC 1102. Overview of pedagogical issues and strategies related to the teaching of writing, with focus on college-level writing. *Occasional.*

ENC 5225 CAH-ENG 3(3,0)
Theory and Practice of Document Usability: PR: Graduate status or senior standing or C.I. Presents theory and practice of how document usability is assessed and improved. *Occasional.*

ENC 5237 CAH-ENG 3(3,0)
Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major document designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. *Fall, Spring.*

ENC 5276 CAH-WRITE 3(3,0)
Writing/Consulting: Theory and Practice: PR: Graduate standing or senior standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). *Fall.*

ENC 5337 CAH-ENG 3(3,0)
Rhetorical Theory: PR: Graduate standing or C.I. Overview of theory and history of classical and modern rhetorical theory and rhetorical instruction. *Fall.*



ENC 5705 CAH-ENG 3(2,1)
Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Intensive study of theories of composition, with practical experience in the writing laboratory and in composition classes. *Spring.*

ENC 5745 CAH-ENG 3(3,0)
Teaching Practicum: PR: ENC 5705, graduate status or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester, GTA's will participate in staff development and individual conferences with their mentors. *Occasional.*

ENC 5930 CAH-ENG 3(3,0)
Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal profession, as well as for general publication. *Occasional.*

ENG 3010 CAH-ENG 3(3,0)
Practical Criticism: PR: Grade of C (2.0) or better required in ENC 1102. Student evaluation of selected fiction, poetry, and drama through practical exercises in literary criticism. *Occasional.*

ENG 3014 CAH-ENG 3(3,0)
Theories and Techniques of Literature Study: PR: Junior standing, or C.I., and C (2.0) or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. *Fall, Spring.*

ENG 3073 CAH-ENG 3(3,0)
Cultural Studies Literature: PR: Grade of C (2.0) or better required in ENC 1102. The theoretical and cultural developments over time that call for broadening the applications of literary analysis to produce "cultural studies.". *Occasional.*

ENG 3612 CAH-ENG 3(3,0)
Trends in Literary, Cultural, and Textual Studies: PR: Grade of "C" (2.0) or better in ENC 1102. Literary analysis of textual production within contemporary social trends and new technologies. May be used in the degree program a maximum of 2 times only when course content is different. *Occasional.*

ENG 3817 CAH-ENG 3(3,0)
Digital Archives: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Examines "debates" in the digital humanities and prepares students to work with the creation, management, and preservation of digital archives content. *Occasional.*

ENG 3833 CAH-WRITE 3(3,0)
Marketing Your Writing: PR: "C" (2.0) or better in ENC 1102 or C.I. Exploration of writing markets and publishing opportunities therein, the submission process, and author marketing and negotiation strategies. *Spring.*

ENG 4114 CAH-ENG 3(3,0)
Literature and Film: PR: Grade of C (2.0) or better required in ENG 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. *Occasional.*

ENG 4614 CAH-ENG 3(3,0)
Discourse of Global Cultural Studies: PR: ENG 3014. American popular culture texts in world context, using concepts and theories from global cultural studies to analyze transmission, translation, and appropriation. *Occasional.*

ENG 5009 CAH-ENG 3(3,0)
Methods of Bibliography and Research: PR: Graduate status or senior standing or C.I. Bibliographical, library and systematic approaches to research at the graduate level in language and literature. *Fall.*

ENL 1012 CAH-ENG 3(3,0)
English Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Beowulf to 1798. *Fall, Spring.*

ENL 2022 CAH-ENG 3(3,0)
English Literature II: PR: Grade of C (2.0) or better required in ENC 1102. From 1798 to 1914. *Fall, Spring.*

ENL 3231 CAH-ENG 3(3,0)
Restoration Literature: PR: Grade of "C" or better in ENC 1102. This course surveys the poetry, drama, and prose written during the Restoration era (1660-1700) and the social, historical, and political contexts. *Occasional.*

ENL 3296 CAH-ENG 3(3,0)
Gothic Literature: PR: Grade of "C" or better required in ENC 1102. A study of Gothic literature (prose, poetry, drama) in the British Isles and its cultural contexts. *Occasional.*

ENL 3296H CAH-ENG 3(3,0)
Honors Gothic Literature: PR: ENC 1102 and Consent of Honors. A study of Gothic literature (prose, poetry, drama) in the British Isles and its cultural contexts. With Honors content. *Occasional.*

ENL 3654 CAH-ENG 3(3,0)
Black British Literature: PR: Grade of "C" or better required in ENC 1102. Study of literature written inside the UK by authors of African, South Asian, and Caribbean lineage. *Occasional.*

ENL 4101 CAH-ENG 3(3,0)
English Novel: PR: Grade of C (2.0) or better required in ENG 3014. Analysis of major English novelists. *Occasional.*

ENL 4220 CAH-ENG 3(3,0)
English Renaissance Poetry and Prose: PR: Grade of C (2.0) or better required in ENG 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lyly & others. *Occasional.*

ENL 4230 CAH-ENG 3(3,0)
18th Century Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of literature in English: 1660-1880. May be repeated for credit. *Occasional.*

ENL 4240 CAH-ENG 3(3,0)
English Romantic Writers: PR: Grade of C (2.0) or better required in ENG 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlitt, Lamb, Byron, Shelley and Keats. *Occasional.*

ENL 4253 CAH-ENG 3(3,0)
The Victorian Age: Poetry: PR: Grade of C (2.0) or better required in ENG 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossetis, and Emily Bronte. *Occasional.*

ENL 4262 CAH-ENG 3(3,0)
Nineteenth Century British Prose: PR: Grade of C (2.0) or better required in ENG 3014. Essays and fiction of the nineteenth century. *Occasional.*

ENL 4273 CAH-ENG 3(3,0)
Modern British Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern British literature. *Occasional.*

ENL 4303 CAH-ENG 3(3,0)
British Authors: PR: ENG 3014. Study of the works of a single British author. May be used in the degree program a maximum of 2 times only when course content is different. *Occasional.*

ENL 4311 CAH-ENG 3(3,0)
Chaucer: PR: Grade of C (2.0) or better required in ENG 3014. The Canterbury Tales, Troilus and Criseyde, and other works. *Occasional.*

ENL 4333 CAH-ENG 3(3,0)
Shakespeare Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of Shakespeare's plays. May be repeated for credit. *Occasional.*

ENL 4341 CAH-ENG 3(3,0)
Milton and His Age: PR: Grade of C (2.0) or better required in ENG 3014. Paradise Lost, Paradise Regained, Samson Agonistes, shorter poems and selected prose. *Occasional.*

ENL 5006 CAH-ENG 3(3,0)
British Literature: Medieval to Modern: PR: Graduate status or senior standing or C.I. Survey of British Literature from beginnings to present, with instruction in the fundamentals of prose, poetry, and drama. Emphasis on Literature's social and historical contexts. *Occasional.*

ENV 3001 ECS-CECE 3(3,0)
Introduction to Environmental Engineering: PR: MAC 2312 and CHM 2045C or CHS 1440 both with a grade of "C" (2.0) or better. Introduction to concepts and terminology of environmental engineering. Stresses material and energy balances. Covers air, water and land pollution. *Fall, Spring.*

ENV 4120 ECS-CECE 3(3,0)
Air Pollution Control: PR: EGN 3343, CWR 3201 and ENV 3001 all with a grade of "C" (2.0) or better. Air pollution engineering including air resources management, engineering design, and operation of air pollution control systems. *Fall.*

ENV 4122C ECS-CECE 3(2,2)
Air Pollution Control Design: PR: ENV 4120 with grade of "C" (2.0) or better and department consent. Project course on design of air pollution control equipment and systems. *Spring.*

ENV 4300C ECS-CECE 3(2,2)
Solid Waste Facility Design: PR: ENV 4341 with grade of "C" (2.0) or better and department consent. Project course on design of a municipal solid waste landfill. *Occasional.*

ENV 4341 ECS-CECE 3(3,0)
Solid & Hazardous Waste Management: PR: ENV 3001 with a grade of "C" (2.0) or better. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. *Fall.*

ENV 4433C ECS-CECE 3(2,2)
Environmental Engineering Wastewater Design: PR: EES 4111C, ENV 4531 both with grades of "C" (2.0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment design with emphasis on teamwork to complete the design process. *Occasional.*

ENV 4531 ECS-CECE 3(3,0)
Environmental Engineering Operations & Processes I: PR: ENV 3001, CWR 3201 both with a minimum grade of "C" (2.0) or better. Water and wastewater treatment design considerations with effluent and sludge handling, treatment, and disposal. *Fall, Spring.*

ENV 4561 ECS-CECE 3(3,0)
Environmental Engineering Operations & Processes II: PR: ENV 4531 with a grade of "C" (2.0) or better. Advanced water and wastewater treatment including biological nutrient removal and desalination. *Fall, Spring.*

ENV 4562C ECS-CECE 3(2,2)
Environmental Engineering Water Treatment Design: PR: EES 4202C and ENV 4531 both with grades of "C" (2.0) or better and department consent. Application of systems design criteria in the specification and design of a full scale potable water treatment plant. *Spring.* M&S fee \$43.00

ENV 5335 ECS-CECE 3(3,0)
Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. *Occasional.*

ENV 5356 ECS-CECE 4(4,0)
Solid and Hazardous Waste Management: PR: Grade of "C" (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. *Fall.*

ENV 5410 ECS-CECE 3(3,0)
Water Treatment: PR: EES 4202C or ENV 5517 or C.I. Potable water regulations, standards, chemical reactors, oxidation, disinfection, disinfection by-products, ultraviolet irradiation. Internal corrosion and microbial control in municipal and industrial water distribution systems. *Odd Spring.*

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ENV 5505 ECS-CECE 3(3,0)
Sludge Management Operations in Environmental Engineering: PR: ENV 4561. Theory and design of sludge management operations and processes in environmental engineering, including stabilization dewatering and ultimate disposal. *Occasional.*

ENV 5517 ECS-CECE 3(3,0)
Engineering Chemical and Biological Processes: CR: ENV 4561(or equivalent) or C.I. Coverage of equilibrium/aquatic chemistry, softening and coagulation, and disinfection of water. Microbiology and biochemistry as applied to activated sludge system design. *Fall.*

ENV 5636 ECS-CECE 3(3,0)
Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with the emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. *Occasional.*

ENV 4004C COS-BIOL 4(2,6)
General Entomology: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Biology of insects: identification, taxonomy, physiology, behavior, and ecology. *Occasional.* M&S fee \$15.00

ENV 5006C COS-BIOL 4(2,6)
Entomology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Morphology, physiology, ontogeny, behavior, ecology and population biology of insects. *Occasional.* M&S fee \$40.00

EPD 5395 ED-CFCS 3(3,0)
Physical and Sociological Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. *Occasional.*

ESE 3940 ED-TL&L 3-16(0,3-16)
Internship I - Secondary: PR: EDG 4410 and C.I. Student teaching in a secondary school under the supervision of a certified classroom teacher. Graded S/U. *Occasional.*

ESE 4942 ED-TL&L 1(1,0)
Internship II Seminar: PR: Internship I in the specific discipline; CR: Internship II in the specific discipline. Culminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. *Fall, Spring.*

ESE 4943 ED-TL&L 7-12(0,35)
Internship II - Secondary: PR: ESE 3940 or EDE 3942. Student teaching in a secondary school under the direction of a certified classroom teacher. Scheduled concurrent seminars. Graded S/U or Letter grade. *Occasional.*

ESE 5214 ED-TL&L 3(3,0)
Secondary School Curriculum Improvement I: PR: Regular Certificate or C.I. Secondary School self studies for curriculum projects, accreditation reports, or staff development. *Occasional.*

ESI 4221 ECS-IEMS 3(3,0)
Empirical Methods for Industrial Engineering: PR: STA 3032. Application of empirical methods for industrial engineering problem solving. *Spring.*

ESI 4234 ECS-IEMS 3(3,0)
Quality Engineering: PR: STA 3032. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems; reliability engineering. *Fall.*

ESI 4312 ECS-IEMS 3(3,0)
Operations Research: PR: STA 3032 and MAS 3105. Introduction to linear, non-linear, and dynamic programming. Decision analysis, random processes, and queueing. Course covers theory through application and implementation of results. *Fall.*

ESI 4321 ECS-IEMS 3(3,0)
Quantitative Techniques in Industrial Engineering: PR: ESI 4312. Extension of ESI 4312, with primary emphasis on Operations Research and statistical applications to industrial engineering problems. *Even Fall.*

ESI 4523C ECS-IEMS 3(2,3)
Systems Simulation: PR: STA 3032 or C.I. Methods and procedures for simulating large-scale systems with digital computers. High level simulation languages are used. *Spring.*

ESI 4628C ECS-IEMS 3(2,3)
Industrial Engineering Applications of Computers: PR: EIN 2002 and STA 3032. Survey of microcomputer methods in industrial engineering practice. Topics include: spreadsheets, databases, expert systems, and project management. Lab exercises. *Fall.*

ESI 5219 ECS-IEMS 3(3,0)
Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, nonparametric stats and ANOVA. *Fall, Spring.*

ESI 5227 ECS-IEMS 3(3,0)
Total Quality Improvement: PR: STA 3032 or equivalent. Quality improvement (QI) tools and techniques, advanced QI techniques, quality improvement systems, total quality management concepts and implementation, planning and management tools, and case studies. *Odd Fall.*

ESI 5236 ECS-IEMS 3(3,0)
Reliability Engineering: PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure data analysis, maintainability, reliability standards (DOD), software reliability, reliability in design, and electronic systems reliability. *Fall.*

ESI 5306 ECS-IEMS 3(3,0)
Operations Research: PR: STA 3032. Methods of operations research, including formulation for models and derivation of solutions; linear programming, network models queueing theory, simulation, and nonlinear optimization techniques. *Fall.*

ESI 5359 ECS-IEMS 3(3,0)
Risk Assessment and Management: PR: ESI 5219 or STA 3032. Problems and complexities involved in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. *Occasional.*

ESI 5419C ECS-IEMS 3(2,2)
Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5306. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practicing or analyses. *Odd Fall.*

ESI 5531 ECS-IEMS 3(3,0)
Discrete Systems Simulation: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. *Spring.*

ETI 3116 ECS-ECS 3(3,0)
Applied Engineering Quality Assurance: PR: STA 2014C or STA 2023. Fundamentals of industrial quality control. Technical specifications, measurements standards, inspection, and gaging. Process control techniques. *Fall.*

ETI 3671 ECS-ECS 3(3,0)
Technical Economic Analysis: PR: MAC 1105C or equivalent. Analysis of cost elements in technical operations. Basis for comparison of alternatives. *Spring.*

ETI 4186 ECS-ECS 3(3,0)
Applied Reliability: PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistics phases of systems and system components. *Odd Spring.*

ETI 4448 ECS-ECS 3(3,0)
Applied Project Management: PR: Junior Standing. Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or nonprofit organizations. *Spring.*

ETI 4635 ECS-ECS 3(3,0)
Technical Administration: PR: Junior Standing. Techniques of applying management principles to professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling, production, sales, and service. *Fall, Spring.*

ETI 4640 ECS-ECS 3(3,0)
Operations Management for Technologists: PR: ETI 4635. Scheduling techniques (PERT), (CPM), are presented. Time Study Methods, Work Sampling and MTM are covered. *Fall.*

EUH 2000 CAH-HIST 3(3,0)
Western Civilization I: A survey of western civilization from ancient to 1648. *Fall, Spring.*

EUH 2000H CAH-HIST 3(3,0)
Honors Western Civilization I: PR: Permission of Honors. A survey of western civilization from ancient to 1648. Honors-level content. *Fall, Spring.*

EUH 2001 CAH-HIST 3(3,0)
Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EUH 2000. *Fall, Spring.*

EUH 2001H CAH-HIST 3(3,0)
Honors Western Civilization II: PR: Permission of Honors. A survey of western civilization from 1648 to present. May be taken before EUH 2000. Honors-level content. *Fall, Spring.*

EUH 3122 CAH-HIST 3(3,0)
Medieval Society and Civilization: PR: EUH 2000 and 2001 or C.I. *Fall, Spring.*

EUH 3124 CAH-HIST 3(3,0)
The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of "just war" and jihad. *Even Spring.*

EUH 3142 CAH-HIST 3(3,0)
Renaissance and Reformation: PR: EUH 2000 and 2001 or C.I. Influence of Renaissance humanism on arts, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years' War. *Occasional.*

EUH 3180 CAH-HIST 3(3,0)
Sorcerers, Saints and Heretics: Religion in the Medieval World: PR: EUH 2000 or C.I. Examines the mixture of superstition, paganism, heresies, Jewish and Muslim communities and the rising Catholic Church that formed religious life and shaped society and culture in Medieval Europe. *Occasional.*

EUH 3235 CAH-HIST 3(3,0)
Romanticism and Realism: PR: EUH 2000 and 2001 or C.I. Napoleon and nationalism; new ideas; conservatism; liberalism, romanticism, republicanism and socialism; urbanization, technology and mass culture, religious decline; Realpolitik, racism, imperialism, and militarism. *Occasional.*

EUH 3242 CAH-HIST 3(3,0)
Modern Europe and the First World War: A survey of the impact of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and warfare. *Occasional.*

EUH 3281 CAH-HIST 3(3,0)
Second World War and Rebirth of Europe: PR: EUH 2000 and 2001 or C.I. Origins of World War II; Hitler's "New Order," and resistance movements; Cold War; de-Stalinization of Russia; Sovietization of East Central Europe; Western reconstruction, and prosperity. *Occasional.*

EUH 3411 CAH-HIST 3(3,0)
Ancient Rome: PR: EUH 2000 and EUH 2001 or C.I. Romans and their contributions to Western Civilization. Covers traditions of Roman Republic, Carthaginian Wars, Imperial Period. *Occasional.*

EUH 3431 CAH-HIST 3(3,0)
History of Modern Italy: PR: EUH 2001. The history of modern Italy from the origins of national unification through the post-World War II era. *Occasional.*



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EUH 3441	CAH-HIST	3(3,0)	Early Modern France: PR: EUH 2000 and EUH 2001. France beginning with Wars of Religion. Topics include Absolutism and Louis XIV, nation building, the Enlightenment, imperial expansion, and the French Revolution. <i>Occasional.</i>
EUH 3451	CAH-HIST	3(3,0)	History of Modern France: PR: EUH 2001, EUH 3242 or C.I. France beginning with the Napoleonic era. Topics include nineteenth century social, political and consumer revolutions, the World Wars, the Cold War, imperialism and decolonization. <i>Occasional.</i>
EUH 3531	CAH-HIST	3(3,0)	Medieval Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland's historical and cultural development from 1129 to 1607. <i>Occasional.</i>
EUH 3536	CAH-HIST	3(3,0)	Early Modern Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland's historical and cultural development from 1607 to 1800. <i>Occasional.</i>
EUH 3538	CAH-HIST	3(3,0)	Modern Ireland: PR: EUH 2001. Cultural, political and social developments in Ireland after 1800. <i>Odd Fall.</i>
EUH 3651	CAH-HIST	3(3,0)	War and Society: Evolution of weapons, tactics, strategy, role, social status, recruitment of soldiers; influence of military on governments; and international efforts to preserve peace. <i>Occasional.</i>
EUH 4283	CAH-HIST	3(3,0)	Cold War Homefronts: PR: EUH 2000 and EUH 2001, or C.I. The Cold War from the homefront perspective addressing both sides of the Iron Curtain. <i>Occasional.</i>
EUH 4284	CAH-HIST	3(3,0)	Fascism and Nazism in the Interwar Europe: PR: EUH 2000 and 2001. Fascist and Nazi movements in interwar Europe, mostly Italy and Germany. Origin, development, seizure of power, system of government, ideology, domestic and foreign policies, resistance to these movements. <i>Occasional.</i>
EUH 4400	CAH-HIST	3(3,0)	The History of Ancient Greece: PR: EUH 2000, EUH 2001 or WOH 2012, WOH 2022. Systems of government in the various city-states of the ancient Greek world from the Bronze Age through the Hellenistic era (C. 1200BCE-30BCE). <i>Occasional.</i>
EUH 4426	CAH-HIST	3(3,0)	Sex and Gender in Antiquity: PR: EUH 2000 or WOH 2012. Examines the concepts of sex and gender in Greek and Roman societies and their impact on modern society. <i>Occasional.</i>
EUH 4465	CAH-HIST	3(3,0)	Hitler's Third Reich: PR: EUH 2000 and 2001 or C.I. German nationalism and militarism; World War I and Versailles Treaty; the Weimar Republic and the rise of the Nazis; Second World War, division and recovery. <i>Occasional.</i>
EUH 4500	CAH-HIST	3(3,0)	English History to 1485: PR: EUH 2000 and 2001 or C.I. <i>Occasional.</i>
EUH 4501	CAH-HIST	3(3,0)	English History: 1485-1815: PR: EUH 2000 and 2001 or C.I. <i>Occasional.</i>
EUH 4502	CAH-HIST	3(3,0)	British History: 1815-Present: PR: EUH 2000 and 2001 or C.I. <i>Occasional.</i>
EUH 4571	CAH-HIST	3(3,0)	History of Russia to 1801: PR: EUH 2000 and 2001 or C.I. Kievan State; Mongol Yoke; Development of Muscovite Expansionism and Absolutism; Time of Troubles; Westernization of Russia under Peter I and Catherine; Role of Orthodox Church. <i>Occasional.</i>
EUH 4574	CAH-HIST	3(3,0)	History of Russia: 1801-1917: PR: EUH 2000 and 2001 or C.I. Alexander I; Napoleonic Invasion, Revolutionary Movement; Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente. <i>Occasional.</i>
EUH 4576	CAH-HIST	3(3,0)	History of Russia in the 20th Century: PR: EUH 2000 and 2001 or C.I. War and Revolution, Lenin, Stalinist Period, WWII, The Cold War. Collapse of Soviet Union, the New Russia. <i>Occasional.</i>
EUH 4582	CAH-HIST	3(3,0)	20th Century Russian Diplomatic History: PR: C.I. Russian diplomatic history from the signing of the Entente Cordiale to the aftermath of the Cold War. <i>Occasional.</i>
EUH 4610	CAH-HIST	3(3,0)	Women in European Society: From Medieval to Modern: PR: Junior standing or C.I. This course examines the changing situation of women in Europe from the Middle Ages to the twentieth century. <i>Occasional.</i>
EUH 4610H	CAH-HIST	3(3,0)	Honors Women in European Society: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to the changing situation of women in Europe across space and over time with honors-level content. <i>Occasional.</i>
EUH 4620	CAH-HIST	3(3,0)	European Great Powers: 1815-1914: PR: EUH 2000 and 2001 or C.I. Congress of Vienna, Metternich's system Crimean War, unifications of Italy & Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I. <i>Occasional.</i>
EUH 4663	CAH-HIST	3(3,0)	History of Communism in Europe: PR: EUH 2000 and EUH 2001. History of communist movements and regimes in Europe from mid-19th century to the fall of the Berlin Wall. The course focuses on the history of communism outside of Russia and opposition to the communist regimes. <i>Occasional.</i>
EUH 4674	CAH-HIST	3(3,0)	Sport and Society in the Ancient World: PR: EUH 2000, EUH 2001 or WOH 2012, WOH 2022. A comparison of the original form of the Olympic Games (and ancient notions of sport) to their modern counterparts. <i>Occasional.</i>
EUH 4674H	CAH-HIST	3(3,0)	Honors Sports & Society in the Ancient World: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to comparing the Original Olympic games and other ancient athletic spectacles with their modern counterparts with honors-level content. <i>Occasional.</i>
EUH 5247	CAH-HIST	3(3,0)	Colloquium in Europe from 1919-1939: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history between 1919 and 1939. <i>Occasional.</i>
EUH 5285	CAH-HIST	3(3,0)	Colloquium in Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WW II. <i>Occasional.</i>
EUH 5415	CAH-HIST	3(3,0)	Rome and Early Christianity: PR: Graduate standing or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with and eventual "triumph" within the Roman Empire. <i>Occasional.</i>
EUH 5419	CAH-HIST	3(3,0)	Colloquium in Roman History: PR: Graduate standing or C.I. Readings in selected topics in the history of Ancient Rome. May be used in the degree program a maximum of 2 times only when course content is different. <i>Occasional.</i>
EUH 5459	CAH-HIST	3(3,0)	Colloquium in French History: PR: Graduate standing or C.I. Readings in selected topics in French History. May be used in the degree program a maximum of 3 times. <i>Occasional.</i>
EUH 5546	CAH-HIST	3(3,0)	Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British history. There is no standard syllabus because content is different with each offering. May be repeated for credit only when course content is different. <i>Occasional.</i>
EUH 5579	CAH-HIST	3(3,0)	Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present. <i>Occasional.</i>
EUH 5595	CAH-HIST	3(3,0)	Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. <i>Occasional.</i>
EUH 5905	CAH-HIST	3(3,0)	European Imperialism: PR: Graduate standing or C.I. Readings in selected topics in the history of European Imperialism. May be used in the degree program a maximum of 3 times only when course content is different. <i>Occasional.</i>
EUH 5925	CAH-HIST	3(3,0)	Colloquium in Medieval Europe: PR: Graduate standing or C.I. Readings in selected topics in the history of medieval Europe. May be used in the degree program a maximum of 3 times only when course content is different. <i>Occasional.</i>
EXP 3204C	COS-PSYCH	4(3,2)	Perception: PR: PSY 2012. Consideration of physical and psychological variables in perceptual phenomena. Lecture/Lab. <i>Fall.</i>
EXP 3250	COS-PSYCH	3(3,0)	Principles of Human Factors Psychology: PR: PSY 2012. The study of human performance in human-machine-environment systems. Topics will include human factors psychology in the design of displays and controls, human information processing, and the effects of some environmental variables on human performance. <i>Spring.</i>
EXP 3304C	COS-PSYCH	3(3,2)	Motivation: PR: PSY 2012. Psychological and physiological aspects of human motivation. <i>Fall, Spring.</i>
EXP 3404C	COS-PSYCH	3(3,2)	Basic Learning Processes: PR: PSY 2012. Theory and research on learning phenomena. <i>Occasional.</i>
EXP 3604C	COS-PSYCH	4(3,2)	Cognitive Psychology: PR: PSY 2012. Theory and research on attention, memory, complex human learning, and problem solving. <i>Fall, Spring.</i>
EXP 3640	COS-PSYCH	3(3,0)	Psychology of Language: PR: PSY 2012. Psychological principles involved in the communicative process, with application to individuals and groups. <i>Occasional.</i>
EXP 4507C	COS-PSYCH	3(1,4)	Advanced Human Memory and Cognition: PR: PSY 3213C, EXP 3604C. In-depth coverage of experimental research on human memory and cognition. <i>Occasional.</i> M&S fee \$15.00
EXP 5208	COS-PSYCH	3(3,0)	Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. <i>Odd Spring.</i>
EXP 5254	COS-PSYCH	3(3,0)	Human Factors and Aging: PR: Graduate standing, post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. <i>Even Fall.</i>



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EXP 5256 COS-PSYCH 3(3,0)
Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. *Fall*.

EXP 5445 COS-PSYCH 3(3,0)
Psychology of Learning and Motivation: PR: DEP 5057, and graduate status or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. *Occasional*.

FIL 1000 CAH-FILM 3(3,0)
Cinema Survey: Introductory course that focuses on different approaches to studying cinema. *Fall, Spring*.

FIL 1000H CAH-FILM 3(3,0)
Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. *Fall, Spring*.

FIL 1007 CAH-FILM 3(3,0)
Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. *Fall, Spring*.

FIL 1008 CAH-FILM 3(3,0)
Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. *Fall, Spring*. M&S fee \$5.00

FIL 2030 CAH-FILM 3(2,2)
History of Motion Pictures: The history of motion pictures as art and industry; from 1895 to the present. *Fall, Spring*.

FIL 2107 CAH-FILM 3(3,0)
Script Analysis: PR: or CR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. *Fall, Spring*.

FIL 2423 CAH-FILM 3(3,0)
Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. *Fall, Spring*.

FIL 2461 CAH-FILM 3(3,0)
Cinematography I: PR: FIL 2552 and FIL 2480. Concepts and tools of cinematography and lighting. *Fall*. M&S fee \$5.00

FIL 2480 CAH-FILM 3(3,0)
Directing for Film I: PR: FIL 1007, FIL 1008, and FIL 3427C. PR or CR: FIL 3115. Introduction to processes and techniques for film directing. *Spring*.

FIL 2481 CAH-FILM 3(3,0)
Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. *Spring*.

FIL 2552 CAH-FILM 3(3,0)
Editing I: PR: FIL 1008 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. *Spring*.

FIL 3006 CAH-FILM 3(3,0)
Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. *Fall, Spring*.

FIL 3035C CAH-FILM 3(3,1)
Film Histories II: PR: FIL 2030. Surveys and questions historical approaches to film and seeks to open up the field of historical enquiry to a variety of views. *Fall*.

FIL 3036 CAH-FILM 3(3,0)
Film History I: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. *Fall*.

FIL 3037 CAH-FILM 3(3,0)
Film History II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. *Spring*.

FIL 3041 CAH-FILM 3(3,0)
History of Animated Films I: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. *Even Fall*.

FIL 3051 CAH-FILM 3(3,0)
Avant-Garde Cinema: PR: Junior standing or C.I. History and aesthetics of Avant-Garde Cinema with an emphasis on post WWII North American films and filmmakers. *Spring*.

FIL 3070C CAH-FILM 3(3,1)
Cinema in the 1920s: PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. *Occasional*.

FIL 3071C CAH-FILM 3(3,1)
Cinema in the 1930s: PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of the period. *Occasional*.

FIL 3072C CAH-FILM 3(3,1)
Cinema in the 1940s and 1950s: PR: FIL 3035C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. *Occasional*.

FIL 3073C CAH-FILM 3(3,1)
Cinema in the 1960s and 1970s: PR: FIL 3035C. Films of the 1960s and 1970s as they relate to the political, social, cultural, and artistic context of the period. *Occasional*.

FIL 3074C CAH-FILM 3(3,1)
Cinema 1980s to the Present: PR: FIL 3035C. Films from the 1980s and onward as they pertain to the political, social, cultural, and artistic context of the period. *Occasional*.

FIL 3075C CAH-FILM 3(3,1)
Film and Modernism I: PR: FIL 3035C and ARH 2050. Relation of film to artistic modernism centered on key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. *Spring*.

FIL 3076C CAH-FILM 3(3,1)
Film and Modernism II: PR: FIL 3075C and ARH 2051. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. *Fall*.

FIL 3102 CAH-FILM 3(3,0)
Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007. Theories and process of screen writing for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. *Fall, Spring*.

FIL 3115 CAH-FILM 3(3,0)
Short Script I: PR: FIL 2107 and Film BFA or Cinema Studies major, or C.I. Rudiments of writing the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops. *Fall, Spring*.

FIL 3132 CAH-FILM 3(3,0)
Short Script II: PR: FIL 3115 and Film BFA or World Cinema major, or C.I. Advanced writing of short scripts in preparation for Capstone 1 and 2 courses. *Spring*.

FIL 3304C CAH-FILM 3(1,3)
Documentary Vision: PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. *Spring*.

FIL 3307 CAH-FILM 3(3,0)
Docudrama: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. *Occasional*.

FIL 3363C CAH-FILM 3(3,1)
Film Documentary: PR: FIL 2030 and Film BFA or Cinema Studies major. The uses and analysis of the non-fiction film. *Fall, Spring*.

FIL 3379C CAH-FILM 3(3,6)
Advanced Documentary Production: PR: FIL 3363C and FIL 3845, or C.I. Processes and principles of advanced documentary production to capture on-going reality based situations. *Occasional*.

FIL 3379C CAH-FILM 3(3,6)
Honors Advanced Documentary Workshop: PR: ENC 1102H and Consent of Honors or C.I. Public history research and documentary production. Student-produced multimedia projects centered on local partnerships that explore the public history of Central Florida. With Honors content. *Occasional*.

FIL 3427C CAH-FILM 3(2,4)
Introduction to Film Production: PR: or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. *Fall*.

FIL 3455C CAH-FILM 6(2,4)
Film Landscapes: Story, Image and Production Design: PR: FIL 2423 or FIL 3427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. *Occasional*.

FIL 3462C CAH-FILM 3(3,1)
Cinematic Expression: PR: FIL 3803C. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. *Spring*.

FIL 3483 CAH-FILM 3(3,0)
Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. *Occasional*.

FIL 3492C CAH-FILM 3(3,1)
Performance in Film: PR: FIL 3035C. Study of the different traditions and forms of acting in film. *Occasional*.

FIL 3534 CAH-FILM 3(3,0)
Sound Design for Film I: PR: FIL 3427C and Film BFA or C.I. Technical and aesthetic aspects of production and post-production sound recording, editing, and mixing for film. *Fall*.

FIL 3720C CAH-SVAD 3(2,4)
Introduction to Animation: PR: DIG 3951 and declared Character Animation specialization, or ART 3950 and declared Experimental Animation specialization, or a minimum grade of "B" (3.0) in DIG 4713 and declared Game Design specialization. Introductory computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. *Fall, Spring*.

FIL 3734C CAH-SVAD 3(2,4)
Intermediate Animation: PR: Experimental Animation and Character Animation majors only, FIL 3720C and DIG 4780C, and successful portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. *Fall, Spring*.

FIL 3803C CAH-FILM 3(3,1)
Film Theory and Criticism I: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War Period. *Fall*.

FIL 3804C CAH-FILM 3(3,1)
Film Theory and Criticism II: PR: FIL 2107 and Film BFA or Cinema Studies major. Major film theories from Second World War period to present. *Spring*.

FIL 3812C CAH-FILM 3(3,1)
Film Theories and Practices: PR: PHI 2010. Concentration on the film theories of film-makers in relation to their own work and to the cinema generally. *Spring*.



FIL 3820 CAH-LANG 3(3,0)
Italian Film: This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form with the director playing the key role. Films by most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view. *Occasional.*

FIL 3822 CAH-LANG 3(3,0)
French Film: The study of French cinema as an art form and the key role of the director. Films are analyzed from structural, social, economical, and historical perspectives with attention to their relationship with French literature. Taught in English. *Occasional.*

FIL 3823 CAH-LANG 3(3,0)
German Film: PR: C.I. Exploration of the form and context of German film during different time periods in relation to other aspects of culture and to sociopolitical structures at the time. *Occasional.*

FIL 3824 CAH-FILM 3(3,0)
Italian Neo-Realist Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. *Occasional.*

FIL 3826 CAH-FILM 3(3,0)
American Cinema: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures, films and forums designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. *Spring.*

FIL 3831 CAH-FILM 3(4,0)
Black Cinema: PR: Junior standing and ENC 1102. Independent black film movements; theory, aesthetics and criticism of African-American, African-Canadian and African-Caribbean cinema. *Fall.*

FIL 3841 CAH-FILM 3(3,0)
French New Wave Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the French cinema, emphasizing the work of Renoir, Bresson, Godard, Rohmer, Resnais, and Rivette. *Occasional.*

FIL 3842 CAH-FILM 3(3,0)
International Cinema: PR: or CR: FIL 3036 or FIL 3037, and Film BFA or Cinema Studies major. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. *Occasional.*

FIL 3845 CAH-FILM 3(3,0)
World Cinema Traditions: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. The relationship among film, history, and culture in selected Asian, African, Latin American, and Middle Eastern countries. *Fall, Spring.*

FIL 3847 CAH-FILM 3(3,0)
Latin American Cinema: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. *Spring.*

FIL 3850 CAH-FILM 3(3,0)
Cinema Directors: PR: FIL 3803C and Film BFA, World Cinema, or Cinema Studies major, or C.I. Intensive study of the work of selected film-makers using multiple modes of criticism and author analysis to examine films. *Occasional.*

FIL 3852 CAH-FILM 3(3,0)
Cinema Criticism Writing: PR: FIL 3036 or FIL 3037 and ENC 1102, FIL 2030, FIL 3803C. Modes of cinema criticism. *Occasional.*

FIL 3860C CAH-FILM 3(3,1)
The Shot, Framing, Point of View: PR: FIL 3035C. Approaches to the shot, framing and point of view. *Occasional.*

FIL 3861C CAH-FILM 3(3,1)
Film and Photography: PR: FIL 3076C. Historical and Cultural relationship between photography and film. *Occasional.*

FIL 3862C CAH-FILM 3(3,1)
Narrative Structures in Film: PR: LIT 2110 and LIT 2120. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. *Fall.*

FIL 3865C CAH-FILM 3(3,1)
Mise en scène and Theatricality: PR: THE 2000. Relationship between theatre and cinema with specific emphasis on mise en scène. *Spring.*

FIL 3870C CAH-FILM 3(3,1)
Music, Natural Sounds and Dialogue in Film: PR: FIL 3035C. Study of relationship between music, natural sounds, dialogue, and moving images. *Occasional.*

FIL 3871 CAH-FILM 3(3,0)
The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaker's style, vision and works; how these evolved and their impact on film and the culture. May be repeated for credit. *Fall.* M&S fee \$5.00

FIL 3876C CAH-FILM 3(3,1)
Experimental Cinema I: PR: FIL 3075C. A notion of cinema as an expansion of possibilities organized around formal, material, and conceptual aspects of film. *Fall, Spring.*

FIL 3877C CAH-FILM 3(3,1)
Experimental Cinema II: PR: FIL 3876C. Concentration on specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film related to treatments of reality and the perception of light. *Spring.*

FIL 3878C CAH-FILM 3(3,1)
Color and Lighting in Cinema: PR: FIL 3035C. Ideas and practices related to lighting and color primarily in film but also painting, sculpture, photography and theatre. *Occasional.*

FIL 3880C CAH-FILM 3(3,1)
Images of Women in Film: PR: FIL 2030. Images of women in film and how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. *Fall, Spring.*

FIL 3922 CAH-FILM 1(1,1)
Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. *Fall, Spring.*

FIL 4040 CAH-SVAD 3(3,0)
Animation Film History for Non Film Majors: PR: ENC 1102. Evolution of animation since World War II. *Fall, Spring.*

FIL 4042 CAH-FILM 3(3,0)
History of Animated Films II: PR: FIL 3041, and Cinema Studies, Art, Animation or Digital Media major. Growth and diversification of American and international animation since 1945. *Spring.*

FIL 4057C CAH-FILM 3(3,1)
Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. *Occasional.*

FIL 4103 CAH-FILM 3(3,0)
Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. *Occasional.*

FIL 4103H CAH-FILM 3(3,0)
Honors Film Adaptation: PR: Consent of Honors. The process of adapting scripts from other sources. The investigation of the legalities of adaption, analysis of existing models, and written adaptations. With Honors content. *Occasional.*

FIL 4126C CAH-FILM 3(2,2)
Genre Writing: PR: Film major, FIL 3803C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, etc. *Occasional.*

FIL 4162C CAH-FILM 3(2,3)
Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor, and FIL 3115, or C.I. Writing workshop, examination of mythic storytelling, and ethics of scriptwriting. *Fall.*

FIL 4163C CAH-FILM 3(2,3)
Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader's coverage. *Spring.*

FIL 4301C CAH-FILM 3(1,3)
Documentary Workshop I: PR: FIL 3363C or C.I. Socially significant documentary projects for community groups, heritage organizations, nonprofit agencies using film, video and digital media. *Fall.*

FIL 4302C CAH-FILM 3(1,3)
Documentary Workshop II: PR: FIL 4301C or C.I. Advanced documentary projects for community groups, heritage organizations, nonprofit agencies and NGOs using film, video and digital media. *Spring.*

FIL 4303C CAH-FILM 3(3,1)
Film Fiction and the Document: PR: LIT 2110, FIL 3075C, and FIL 3076C. Study of the shifting boundary between fiction and documentary in film and in the other arts at the core of which is the notion of the document. *Fall.*

FIL 4434C CAH-FILM 3(2,4)
Capstone I: PR: FIL 3132 and Film BFA or World Cinema major. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. *Fall.*

FIL 4436 CAH-FILM 3(3,0)
Film Theory/Film Production: PR: Junior standing and FIL 1008 or C.I. Non-narrative filmmaking demonstrating the dynamic interplay between producing, viewing, reading and writing about images. *Odd Spring.*

FIL 4451 CAH-FILM 3(3,0)
Design for Film: PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. *Fall.*

FIL 4453C CAH-FILM 4(3,2)
Special Problems in Film Design: PR: FIL 2423 or FIL 3427C and FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. *Occasional.*

FIL 4472C CAH-FILM 3(2,4)
Cinematography II: PR: Film major, FIL 3427C, FIL 2461. Advanced principles and practices of cinematography. *Spring.* M&S fee \$5.00

FIL 4486C CAH-FILM 3(3,1)
Directing for Film II: PR: Film BFA major and FIL 2480. Principles and practice in directing narrative and/or documentary motion pictures. *Fall.* M&S fee \$5.00

FIL 4487 CAH-FILM 3(3,0)
Directing for Film III: PR: FIL 4486C. Advanced processes and techniques of film directing. *Spring.*

FIL 4535C CAH-FILM 3(3,1)
Sound Design for Film II: PR: FIL 3534. An understanding of how production mixers bring the film director's vision to the screen. *Spring.*

FIL 4536 CAH-FILM 3(3,0)
Sound Design III: PR: FIL 4535C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. *Occasional.*

FIL 4566C CAH-FILM 3(3,2)
Editing II: PR: FIL 2552. Theory, techniques and practices in picture editing. *Fall.* M&S fee \$5.00

FIL 4573C CAH-FILM 3(1,3)
Capstone II: PR: FIL 4434C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. *Spring.*

FIL 4602 CAH-FILM 3(3,0)
Film Business: PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. This is a seminar course taught by a professional in the film industry which deals with issues relating to the organization and production of motion pictures. *Spring.*



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FIL 4647 CAH-FILM 3(3,0)
Film Production Management: PR: ENC 1102 and Junior Standing, or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. *Spring.*

FIL 4661 CAH-FILM 3(3,0)
The Film Producer: PR: FIL 2423 of FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. The role of the producer is examined in the context of theatrical film. *Spring.*

FIL 4735C CAH-SVAD 3(2,4)
Advanced Animation: PR: "C" or better in FIL 3734C and a satisfactory portfolio review or C.I. Advanced 3D modeling and animation techniques. Working in small production teams, students will create short animated segments using a high-end 3D animation system. May be repeated for credit. *Fall, Odd Spring.* M&S fee \$15.00

FIL 4740C CAH-FILM 3(3,1)
Film and Digitalization: PR: FIL 3035C. A study of the new possibilities offered to film and thinking about film by digitalization. *Occasional.*

FIL 4750C CAH-SVAD 3(2,4)
Animation Workshop: PR: Animation majors only, FIL 3720C, FIL 3734C, FIL 4735C, and a satisfactory portfolio review or C.I. A production level course in computer animation that emphasizes all phases of the commercial production process, including storyboard, budgets, client relations, and post-production. May be repeated for credit. *Fall, Spring.* M&S fee \$15.00

FIL 4830 CAH-FILM 3(3,0)
Motion Picture Genre: PR: FIL 2030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. *Occasional.* M&S fee \$5.00

FIL 4830H CAH-FILM 3(3,0)
Honors Motion Picture Genre: PR: Consent of Honors. Analysis and evaluation of films, including their major genres, directors, styles, and periods. With Honors content. *Occasional.*

FIL 4863C CAH-FILM 3(3,1)
Montage: PR: FIL 3075C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and disjunctions. The course is theoretical with practical exercises. *Fall.*

FIL 4934C CAH-FILM 3(3,1)
Current Problems in Film and Culture: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. *Occasional.*

FIL 4935C CAH-FILM 3(3,1)
Current Problems in Film Theory: PR: FIL 3035C. Concentration on most recent work in film studies concerned with film theory. *Occasional.*

FIL 4939C CAH-FILM 3(3,1)
Current Problems in Film History: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film history. *Occasional.*

FIL 5165 CAH-FILM 3(3,0)
Visual Storytelling: PR: Admission to Film and Digital Media master's program or C.I. Traditional forms of visual storytelling ranging from storyboarding to classic structural paradigms for feature film scripts. *Fall.*

FIL 5406 CAH-FILM 3(3,0)
Theories of Film Production: PR: Film MFA student or C.I. Comparative analysis of motion picture production methodologies, including the studio industrial model, from a historical/critical perspective. *Spring.*

FIL 5414 CAH-FILM 3(3,0)
Film Vision, Scope & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, making, and distributing a digital, microbudget motion picture. *Spring.*

FIL 5419 CAH-FILM 3(3,0)
Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media-Entre Dig Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. *Fall.*

FIL 5612 CAH-FILM 3(3,0)
Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documents and the Internet. *Fall.*

FIL 5800 CAH-FILM 3(3,0)
Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. *Spring.*

FIL 5853 CAH-FILM 3(3,0)
Independent Cinematic Forms: PR: Admission to MFA Film & Digital Media-Entre Dig Cin track, or C.I. Evolution of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. *Fall.*

FIL 5864 CAH-FILM 3(3,0)
Ways of Seeing: The Expressive Potential of Film: PR: Admission to MFA Film and Digital Media or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking. *Fall.*

FIL 5924 CAH-FILM 1(1,0)
Graduate Seminar: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. Strategies for a successful graduate experience, and forum for modes of inquiry, film technique, production and distribution issues; and thesis defense preparation. Graded S/U. May be used in the degree program a maximum of 6 times. *Fall.*

FIN 2100 BA-FIN 3(3,0)
Personal Finance and Investments: PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. *Fall, Spring.*

FIN 3303 BA-FIN 3(3,0)
Financial Markets: PR: FIN 3403C with a "C" (2.0) or better; open to majors or minors which require this course. The role of short and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. *Fall, Spring.*

FIN 3403C BA-FIN 4(3,1)
Business Finance: PR: Junior standing, ACG 2021 and ECO 2023, each with a "C" (2.0) or better. With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing, and management of business assets. *Fall, Spring.*

FIN 3403H BA-FIN 4(4,0)
Honors Business Finance: PR: Junior standing, ACG 2021 and ECO 2023, each with a "C" (2.0) or better. Open to University honors students and other students participating in the honors program. Same as FIN 3403C with honors level content. *Occasional.*

FIN 3414 BA-FIN 3(3,0)
Intermediate Corporate Finance: PR: FIN 3403C with a "C" (2.0) or better; open to majors or minors which require this course. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. *Fall, Spring.*

FIN 3461 BA-FIN 3(3,0)
Financial Statement Analysis: PR: FIN 3403C with a "C" (2.0) or better. Understanding and interpreting financial statement data for business decisions. *Occasional.*

FIN 3504 BA-FIN 3(3,0)
Investment Analysis: PR: FIN 3403C with a "C" (2.0) or better; open to majors or minors which require this course. A survey of investments, including security markets, investment vehicles, and environment. Principles of asset valuation in efficient markets. *Fall, Spring.*

FIN 4313 BA-FIN 3(3,0)
Management of Financial Institutions: PR: FIN 3303 and FIN 3403C, each with a "C" (2.0) or better; open to majors or minors which require this course. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered. *Occasional.*

FIN 4324 BA-FIN 3(3,0)
Commercial Bank Management: PR: FIN 3303 with a "C" (2.0) or better; open to majors or minors which require this course. Analysis of the intersections of commercial banking policies and an analysis of current approaches to managing specific bank products. *Fall.*

FIN 4424 BA-FIN 3(3,0)
Advanced Topics in Financial Management: PR: FIN 3414 with a "C" (2.0) or better; open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. *Occasional.*

FIN 4453 BA-FIN 3(3,0)
Financial Models: PR: FIN 3403C, FIN 3414, and FIN 3504, each with a "C" (2.0) or better; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. *Fall, Spring.*

FIN 4514 BA-FIN 3(3,0)
Portfolio Analysis and Management: PR: FIN 3403C, FIN 3303 and FIN 3504, each with a "C" (2.0) or better; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. *Fall, Spring.*

FIN 4533 BA-FIN 3(3,0)
Financial Derivatives: PR: FIN 3403C, FIN 3303 and FIN 3504, each with a "C" (2.0) or better; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. *Fall, Spring.*

FIN 4560C BA-FIN 4(3,1)
Applied Portfolio Management 1: PR: Finance major, FIN 3403C and FIN 3504, each with a "C" (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. *Occasional.*

FIN 4561C BA-FIN 4(3,1)
Applied Portfolio Management 2: PR: Finance major, FIN 4560C with a "C" (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. *Occasional.*

FIN 4604 BA-FIN 3(3,0)
International Financial Management: PR: FIN 3403C with a "C" (2.0) or better; open to majors or minors which require this course. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. *Fall, Spring.*

FIN 4730 BA-FIN 3(3,0)
Senior Financial Consulting I: PR: Finance major, FIN 3403C and FIN 3303, each with a "C" (2.0) or better; CR: FIN 3414, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. *Occasional.*

FIN 4731 BA-FIN 3(3,0)
Senior Financial Consulting II: PR: Finance major, FIN 4730 with a "C" (2.0) or better. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. *Occasional.*



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FIN 4941 BA-FIN 3(0,3)
Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, minimum overall GPA of 2.75 and consent of department chair. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. *Fall, Spring.*

FLE 3160 ED-TL&L 3(3,0)
Education and Culture/Language Diversity: PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language. diversity. *Occasional.*

FLE 4314 ED-TL&L 3(3,0)
Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. *Occasional.*

FLE 4333 ED-TL&L 3(3,0)
Foreign Language Teaching in the Secondary School: PR: EDG 4410, proficiency in the target language and English. Methods of teaching foreign languages at the secondary level within a communicative framework. Current instructional techniques in listening, speaking, reading, and writing skills, testing, error correction. May be repeated for credit. *Occasional.*

FLE 5331 ED-TL&L 3(3,0)
Foreign Language Methods at the Secondary Level: PR: Graduate standing or C.I. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. *Occasional.*

FLE 5335 ED-TL&L 3(3,0)
Foreign Language Methods at the Elementary Level: PR: Graduate standing or C.I. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit. *Occasional.*

FRE 1120C CAH-LANG 4(3,1)
Elementary French Language and Civilization I: Introduces the student to French culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. *Fall, Spring.*

FRE 1121C CAH-LANG 4(3,1)
Elementary French Language and Civilization II: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. *Fall, Spring.*

FRE 2200 CAH-LANG 3(3,1)
Intermediate French Language and Civilization I: PR: FRE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. *Fall, Spring.*

FRE 2201 CAH-LANG 3(3,1)
Intermediate French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. *Fall, Spring.*

FRE 2210 CAH-LANG 3(3,0)
Intensive French Conversation: PR: One year of French or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. *Occasional.*

FRE 2270 CAH-LANG 8(16,10)
Intermediate French Study Abroad: PR: Elementary French. Intermediate French language and civilization taught in the native environment. *Occasional.*

FRE 3300 CAH-LANG 3(3,0)
French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structures of French for students who intend to take French literature courses. *Fall.*

FRE 3410 CAH-LANG 3(3,0)
Advanced Oral French Abroad: PR: FRE 2200, FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. *Occasional.*

FRE 3420 CAH-LANG 3(3,0)
French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. *Fall.*

FRE 3423 CAH-LANG 3(3,0)
Advanced French Grammar Abroad: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. *Occasional.*

FRE 3440 CAH-LANG 3(3,0)
Business French I: PR: Three semesters of French language. Introduces vocabulary and terminology in various French business activities, as well as standards, procedures, and practices of the French business world. *Occasional.*

FRE 3441 CAH-LANG 3(3,0)
Business French II: PR: FRE 3440 or C.I. Introduction to French business language and practices. *Occasional.*

FRE 3760 CAH-LANG 3(3,0)
Advanced French Oral Communication: PR: FRE 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. *Spring.*

FRE 3780 CAH-LANG 3(3,0)
French Phonetics and Diction: French phonology, with emphasis on phonic groupings. *Spring.*

FRE 3954 CAH-LANG 6(6,0)
Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. *Occasional.*

FRE 4421 CAH-LANG 3(3,0)
Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines; literature, art, psychology, philosophy, music, business, and the sciences. *Fall.*

FRE 4422 CAH-LANG 3(3,0)
Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. *Spring.*

FRE 4471 CAH-LANG 6(6,0)
Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. *Occasional.*

FRE 4500 CAH-LANG 3(3,0)
French Civilization and Culture: PR: FRE 3420. A survey analyzing development of key elements of French life: its historical, artistic, intellectual, scientific, and spiritual contributions to the world via readings, lectures, films, and other media. Conducted in French. *Occasional.*

FRE 4503 CAH-LANG 2(2,0)
Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. *Occasional.*

FRE 4782 CAH-LANG 2(2,0)
Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Intensive exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. *Occasional.*

FRT 3140 CAH-LANG 3(3,0)
French and Francophone Literary Masterworks in Translation: PR: FRE 2200. May include survey covering texts from the Middle Ages to the present or may focus on a particular period, genre, or topic. *Occasional.*

FRT 3562 CAH-LANG 3(3,0)
French Contemporary Pop Culture: PR: FRE 2200. Examination of Modern France and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. *Occasional.*

FRT 4421 CAH-LANG 3(3,0)
French Medieval Literature and Culture: PR: FRW 3810. Provides students with the skills needed to read, discuss, and write about French Literature and culture of medieval France. *Occasional.*

FRW 3100 CAH-LANG 3(3,0)
Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. *Fall.*

FRW 3101 CAH-LANG 3(3,0)
Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. *Spring.*

FRW 3370 CAH-LANG 3(3,0)
Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. *Occasional.*

FRW 3740 CAH-LANG 3(3,0)
The French Literature of Canada: PR: FRE 2201 or equivalent. A survey of the French literature of Canada from the late 19th century to the present, with particular emphasis on the novel and short story. *Occasional.*

FRW 3752 CAH-LANG 3(3,0)
French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. *Occasional.*

FRW 3760 CAH-LANG 3(3,0)
Creole Identity in the French-Speaking World: PR: FRE 2201 or equivalent. Creole literatures and cultures of the Francophone world. *Spring.*

FRW 3770 CAH-LANG 3(3,0)
Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. *Even Spring.*

FRW 3810 CAH-LANG 3(3,0)
French Literary Texts and Analysis: PR: FRE 2201. French Literature and literary analysis from the Middle Ages to the present. Course is conducted in French. *Fall.*

FRW 4281 CAH-LANG 3(3,0)
20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazin, Beckett, Butor, Camus, Mauriac, Malraux and Sarraute. *Occasional.*

FRW 4310 CAH-LANG 3(3,0)
Seventeenth Century French Theatre: PR: FRW 3100. Corneille, Racine, and Moliere. A study of the lives and principal works of the authors. *Occasional.*

FRW 4324 CAH-LANG 3(3,0)
20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Ciraudoux, Ionesco, and Sartre; different literary approaches will also be used. *Occasional.*

FRW 4380 CAH-LANG 3(3,0)
Early Modern French Fairy Tales: PR: FRW 3100 and FRW 3101. Classic French fairy tale tradition within the context of 21st century American fairy tale tradition. *Odd Spring.*

UCF Courses and Descriptions

FRW 4440 CAH-LANG 3(3,0)
French Literature of the Eighteenth Century: PR: FRW 3100. The philosophical movement: Montesquieu, Vauvenargues, Voltaire, Diderot, Buffon. *Odd Fall.*

FRW 4532 CAH-LANG 3(3,0)
French Romanticism: PR: FRW 3100. Great poets and dramatists of the Romantic Movement: Hugo, Lamartine, Vigny, Musset, and others. *Occasional.*

FRW 4552 CAH-LANG 3(3,0)
Nineteenth Century French Literature: PR: FRW 3101. Realism and naturalism. *Occasional.*

FRW 4820 CAH-LANG 3(3,0)
Stylistics: PR: FRE 3420 or equivalent. An intense study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. *Occasional.*

FSS 2221C RCHM-FOOD&LODG 4(3,3)
Techniques of Food Preparation: PR: HFT 1000. Basic principles and practice of food and beverage preparation, service, and menu development. *Fall, Spring.* M&S fee \$70.00

FSS 2284C RCHM-FOOD&LODG 4(3,3)
Food Preparation for Catered Events: PR: HFT 1000. Basic principles and practice of food preparation and menu development for catered events. Methods and procedures for on and off premise catered events. *Fall, Spring.* M&S fee \$70.00

FSS 3008 RCHM-FOOD&LODG 3(3,0)
Culture and Cuisine: PR: HFT 1000 and FSS 2221C. The major historical and geographical developments that have affected the creation of the cuisines of the world. *Occasional.* M&S fee \$35.00

FSS 3124 RCHM-FOOD&LODG 3(3,0)
Supply and Procurement Management: PR: HFT 1000, FSS 2221C, HFT 3263 and Junior standing. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. *Fall, Spring.* M&S fee \$45.00

FSS 3232C RCHM-FOOD&LODG 3(1,3)
Intermediate Techniques of Food Production: PR: HFT 1000 and FSS 2221C. An advanced food production course which provides the student the opportunity to develop skills in pantry, garde-manger, garnishing, and convenience foods and services. Laboratory class. *Occasional.* M&S fee \$70.00

FSS 4135 RCHM-FOOD&LODG 3(3,0)
Corporate Contract and Managed Services Organizations: PR: HFT 3263 and Junior standing. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. *Occasional.*

FSS 4286C RCHM-FOOD&LODG 3(3,1)
Catering and Banquet Organization: PR: HFT 1000, FSS 2221C, HFT 3263, and Junior standing. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. *Occasional.* M&S fee \$70.00

GEA 4405 CAH-LAS 3(3,0)
Geography of Latin America: PR: ENC 1102 or C.I. Geography of Latin America and the Caribbean, including geophysical, cultural, economic, and social characteristics and processes. *Occasional.*

GEB 1091C BA-BUS 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Business providing a foundation of leadership, scholarship, and service regarding disciplines in the college. *Fall, Spring.*

GEB 2350 BA-MAR 3(3,0)
Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. *Fall.*

GEB 3031 BA-MAN 3(3,0)
Cornerstone: Professional Skills for Business: PR: Junior standing. An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change. *Fall, Spring.*

GEB 3031L BA-MAN 1(0,2)
Cornerstone Lab: Professional Skills for Business: PR: CBA major/minor or approved major/minor CR: GEB 3031. Students apply concepts and principles introduced in GEB 3031 and related skills essential to academic and professional success. *Fall, Spring.*

GEB 3113 BA-MAN 3(3,0)
Creativity and Entrepreneurship: PR: Sophomore Standing. Discovering and assessing opportunities, creating solutions, and formulating sustainable business models necessary to deliver benefits to society and markets. *Fall, Spring.*

GEB 3375 BA-FIN 4(4,0)
Introduction to International Business: PR: Junior standing and ACG 2071, ECO 2013 and ECO 2023, each with a "C" (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. *Fall, Spring.*

GEB 3375H BA-FIN 4(4,0)
Honors Introduction to International Business: PR: Junior standing, permission of Honors, ACG 2071, ECO 2013, and ECO 2023, each with a "C" (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Same as GEB 3375 with honors level content. *Occasional.*

GEB 4110 BA-MAN 3(3,0)
Business Plan Preparation: PR: GEB 4111. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. *Fall, Spring.*

GEB 4111 BA-MAN 3(3,0)
New Venture Finance: PR: MAN 4802. Knowledge and hands-on processes in the accounting, finance and treasury functions needed to start and manage a new venture from concept to exit. *Fall, Spring.*

GEB 4152 BA-MAN 3(3,0)
Tech Innovation & Entrepreneurship: PR: Junior Standing. How technology and innovation processes affect social and organizational change, and the distinct challenges associated with launching, managing and growing technology-based business ventures. *Spring.*

GEB 4361 BA-FIN 3(3,0)
Business in the International Environment: PR: Finance major, FIN 3403C, MAR 3023, and MAN 3025, each with a "C" (2.0) or better. Provides an overall understanding of the nature, magnitude, and importance of the international business sector. *Occasional.*

GEB 4374 BA-FIN 3(3,0)
International Negotiations and Transactions: PR: Finance major, Junior standing and admission to CBA. Focuses on providing an understanding of the concepts and skills required for international negotiations and transactions. *Occasional.*

GEB 4435 BA-MAN 3(3,0)
Moral Foundations of Business: PR: MAN 3025 or C.I. Ethical foundations of business and the relationship between markets and morality through a comparative analysis of capitalist and socialist ideals. *Occasional.*

GEB 4824 BA-BUS 3(3,0)
Business Law in Sport & Entertainment: PR: SPB 3003 with a "C" (2.0) or better, and either FIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. *Fall.*

GEB 5516 BA-MAN 3(3,0)
Technological Entrepreneurship: PR: Graduate standing. Focus of the course is on identification, evaluation and commercialization of new technologies. Emphasis will be placed on the legal, financial and strategy aspects of technology transfer and development. *Occasional.*

GEB 5941 BA-BUS 1.5(1.5,0)
Professional Business Practicum: PR: Acceptance in the graduate program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. *Occasional.*

GEO 1200 COS-POLS 3(3,0)
Physical Geography: Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. *Fall, Spring.*

GEO 2370 COS-POLS 3(3,0)
Resources Geography: Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. *Fall, Spring.*

GEO 3471 COS-POLS 3(3,0)
World Political Geography: PR: ENC 1102 or POS 2041 or C.I. Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. *Fall, Spring.*

GER 1120C CAH-LANG 4(3,1)
Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. *Fall, Spring.*

GER 1120C CAH-LANG 4(4,1)
Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. *Occasional.*

GER 1121C CAH-LANG 4(3,1)
Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. *Fall, Spring.*

GER 1121C CAH-LANG 4(4,1)
Honors Elementary German Language and Civilization II: PR: GER 1120C or equivalent and permission of Honors. Continuation of GER 1120C, with honors-level content. *Occasional.*

GER 2200 CAH-LANG 3(3,1)
Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. *Fall, Spring.*

GER 2201 CAH-LANG 3(3,1)
Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. *Spring.*

GER 2210 CAH-LANG 3(3,0)
Intensive German Conversation: PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. *Occasional.*

GER 2240 CAH-LANG 3(3,0)
German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. *Occasional.*

GER 2270 CAH-LANG 6(6,0)
Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. *Occasional.*

GER 2271 CAH-LANG 2(2,0)
Modern German Civilization Abroad I: PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. *Occasional.*



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GER 3102 CAH-LANG 3(3,0)
Germany - Past to Present: PR: GER 3760 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. *Occasional*.

GER 3272 CAH-LANG 2(2,0)
Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. *Occasional*.

GER 3420 CAH-LANG 3(3,0)
Intensive German Composition: PR: GER 2201 or equivalent. Development of skills in composition. *Occasional*.

GER 3440 CAH-LANG 3(3,0)
Business German I: PR: GER 2200. Introduction to German business language and practices. *Occasional*.

GER 3441 CAH-LANG 3(3,0)
Business German II: PR: GER 3440. Continuation of Business German I. *Occasional*.

GER 3470 CAH-LANG 6(6,0)
Advanced German Study Abroad: PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. *Occasional*.

GER 3760 CAH-LANG 3(3,0)
Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. *Even Fall*.

GER 3780 CAH-LANG 3(3,0)
German Phonetics and Diction: PR: GER 2240. The fundamental principles of German pronunciation. *Occasional*.

GER 4422 CAH-LANG 3(3,0)
Advanced German Grammar: PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designated for advanced students of the German language. *Occasional*.

GER 4510 CAH-LANG 3(3,0)
Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. *Occasional*.

GER 4520 CAH-LANG 3(3,0)
Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. *Occasional*.

GEW 3100 CAH-LANG 3(3,0)
Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. *Occasional*.

GEW 3101 CAH-LANG 3(3,0)
Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. *Occasional*.

GEW 3370 CAH-LANG 3(3,0)
Short Story: PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. *Occasional*.

GEW 3480 CAH-LANG 3(3,0)
German Post-War Literature: PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. *Occasional*.

GEW 4482 CAH-LANG 3(3,0)
German Children's Literature: PR: GER 2200. A look into the history of German children's literature with a concentration on works after World War II. *Occasional*.

GEW 4531 CAH-LANG 3(3,0)
The Age of Goethe and Schiller: PR: GER 2201. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romanticism. *Occasional*.

GEY 3001 HPA-SOWK 3(3,0)
Gerontology: An Interdisciplinary Overview: PR: Junior standing or C.I. Study of aging from an interdisciplinary perspective that bridges social and behavioral sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. *Fall*.

GEY 3326H COS-PSYCH 3(3,0)
Honors Images of Aging: PR: Advanced standing in the Honors College and consent of Honors. Interdisciplinary examination of issues in aging exploring how the various images of aging are reflected across the natural sciences, social sciences and humanities. With Honors content. *Occasional*.

GEY 5007 CON-NURS 3(3,0)
Women and Healthy Aging: PR: Graduate standing or senior undergraduate. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. *Spring*.

GEY 5600 ED-CFCS 3(3,0)
Physiology of Aging: PR: BSC 2010C or PCB 3703C or APK 4110C or equivalent. The purpose of this course is to develop the student's understanding of the effects of human aging on various body systems. *Occasional*.

GEY 5648 HPA-SOWK 3(3,0)
Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing or C.I. The study of aging will be presented from man interdisciplinary and multidisciplinary approach spanning the social sciences and health. *Occasional*.

GIS 3043C UGST-INTERDISC 3(2,2)
GIS for Environmental Studies: PR: CGS 1060C and BSC 2010C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility siting studies. *Odd Fall*.

GIS 4035C ECS-CECE 3(2,2)
Remote Sensing of the Environment: PR: GEO 1200 or C.I. Interpretation and application of remote sensor imagery to physical, economic, and urban analysis. *Occasional*.

GIS 4301C UGST-INTERDISC 4(2,2)
Advanced GIS Applications in Environmental Studies: PR: GIS 3043C. GIS analysis techniques used in environmental science, including raster overlay site suitability modeling, least-cost optimum paths, 3D digital elevation models, network routing and geostatistical analysis. *Occasional*.

GLY 1030 COS-CHEM 3(3,0)
Geology and its Applications: Geologic principles, applications, and hazards including: gemstones, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. *Fall, Spring*.

GRA 2101C CAH-SVAD 3(2,4)
Introduction to Computer Art: PR: ART 2823 or C.I. Priority given to students whose major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. *Fall, Spring*.

GRA 2101C CAH-SVAD 3(2,4)
Honors Introduction to Computer Art: PR: ART 2823 and Consent of Honors. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors content. *Occasional*. M&S fee \$15.00

GRA 2151C CAH-SVAD 3(2,4)
Illustration: PR: ART 2201C and ART 2300C. Pictorial and representational illustration using various media and techniques. *Fall, Spring*.

GRA 3102C CAH-SVAD 3(2,4)
Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization or C.I. CR: GRA 3950. Techniques and methods for studio projects used in the graphic design industry. *Fall*. M&S fee \$45.00

GRA 3112C CAH-SVAD 3(2,4)
Intermediate Graphic Design II: PR: GRA 3102C or C.I. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. *Spring*. M&S fee \$43.00

GRA 3202C CAH-SVAD 3(2,4)
Type & Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. *Fall, Odd Spring*. M&S fee \$15.00

GRA 3747C CAH-SVAD 3(2,4)
Intermediate Illustration I: PR: ART 2201C, ART 2203C, ART 2301C, and successful portfolio review. Techniques, production processes, media and materials used to create illustration for works utilizing sequential visual narrative. *Fall*. M&S fee \$45.00

GRA 3803C CAH-SVAD 3(2,4)
Intermediate Computer Graphic Design: PR: GRA 3102C or declared Web Design Track, ART 2201C, ART 2300C, and DIG 3716C. Graphic design techniques and methods relating to web design and development. *Fall, Spring*.

GRA 3950 CAH-SVAD 0(0,0)
Graphic Design Portfolio Application: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 2101C, ARH 2050, ARH 2051. Portfolio application for students entering the SVAD Graphic Design program. Graded S/U. *Spring*.

GRA 4154C CAH-SVAD 3(2,4)
Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced techniques in the utilization of digital platforms to emulate traditional media. May be used in the degree program a maximum of 3 times. *Spring*. M&S fee \$45.00

GRA 4196C CAH-SVAD 3(2,4)
Advanced Graphic Design: PR: GRA 3112C or C.I. Practical studio problems, with emphasis on organization of visual design elements. *Fall*. M&S fee \$43.00

GRA 4197C CAH-SVAD 3(2,4)
Special Problems in Graphic Design: PR: GRA 4196C. Capstone course in Graphic Design emphasizing the development of a professional portfolio. May be used in the degree program a maximum of 2 times. *Spring*. M&S fee \$45.00

GRA 4802C CAH-SVAD 3(2,4)
Advanced Computer Graphic Design: PR: GRA 3102C and GRA 3803C. Graphic design techniques and methods related to motion graphics. *Odd Fall, Spring*. M&S fee \$15.00

HBR 1120 CAH-JUD 4(4,0)
Elementary Modern Hebrew Language and Culture I: Designed to initiate the student to the major language skills; listening, speaking, reading and writing, as well as to constitute an introduction to Israeli culture. *Fall*.

HBR 1121 CAH-JUD 4(4,0)
Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120. *Spring*.

HBR 2200 CAH-JUD 3(3,0)
Intermediate Modern Hebrew I: PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew; increase proficiency in conversation, reading and writing skills, and further expose students to Israeli culture. *Occasional*.

HBR 2201 CAH-JUD 3(3,0)
Intermediate Modern Hebrew II: PR: HBR 2200. Further development of modern Hebrew language skills in listening, speaking, reading, and writing. *Occasional*.



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HBR 3250 CAH-JUD 3(3,0)
Biblical Hebrew: PR: HBR 1121 or C.I. Grammatical and syntactical structure of Biblical Hebrew. *Occasional.*

HBR 3410 CAH-JUD 3(3,0)
Conversational Israeli Hebrew: PR: HBR 1120, HBR 1121 or equivalent, C.I. Study and practice of contemporary conversational Israeli Hebrew. *Occasional.*

HFT 1000 RCHM-HSP SERV 3(3,0)
Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. *Fall, Spring.*

HFT 2220 RCHM-HSP SERV 3(3,0)
Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. *Fall, Spring.*

HFT 2254 RCHM-FOOD&LODG 3(3,0)
Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. *Fall, Spring.*

HFT 2401 RCHM-HSP SERV 3(3,0)
Hospitality Industry Financial Accounting: Basic understanding of financial accounting and specifically hospitality industry accounting concepts and procedures used in hotels, restaurants and clubs. *Fall, Spring.*

HFT 2500 RCHM-HSP SERV 3(3,0)
Hospitality and Tourism Marketing: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. *Fall, Spring.*

HFT 2750 RCHM-TEA 3(3,0)
The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. *Fall, Spring.*

HFT 3263 RCHM-FOOD&LODG 3(3,0)
Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing. Discussion of the topics integral for the successful management of restaurant and food service organizations. *Fall, Spring.*

HFT 3273 RCHM-FOOD&LODG 3(3,0)
Principles of Resort Timesharing: PR: HFT 1000. Principles of resort timeshare operations and ownership. *Fall, Spring.*

HFT 3323 RCHM-HSP SERV 3(3,0)
Hospitality Physical Plant Management: PR: Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. *Spring.*

HFT 3353 RCHM-TEA 3(3,0)
Golf Planning & Operations I: Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. *Occasional.*

HFT 3354 RCHM-TEA 3(3,0)
Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. *Occasional.*

HFT 3357 RCHM-TEA 3(3,0)
Golf & Club Event Operations: PR: HFT 1000; HFT 2500. Develop, plan, and organize golf tournaments of all types. *Occasional.*

HFT 3373 RCHM-TEA 3(3,0)
Event Design, Production & Technology: PR: HFT 1000, HFT 2750, and HFT 3670, or C.I. Aspects of event production, including art, design and staging. How technology is used in the event industry to increase effectiveness and productivity. *Fall, Spring.*

HFT 3384 RCHM-TEA 3(3,0)
Golf and Club Enterprises Management: PR: HFT 1000 and FSS 2221C. Comprehensive examination of the golf and club management industry, its related national and international associations, and career path opportunities. *Occasional.*

HFT 3431 RCHM-HSP SERV 3(3,0)
Hospitality industry Managerial Accounting: PR: HFT 2401 and junior standing or C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. *Fall, Spring.*

HFT 3443 RCHM-TEA 3(3,0)
Event Technology: PR: HFT 1000 and HFT 2750; or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. *Occasional.*

HFT 3444 RCHM-HSP SERV 3(3,0)
Hospitality Information Systems: PR: CGS 2100C, HFT 2254, and HFT 3263; or C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. *Fall, Spring.*

HFT 3512 RCHM-TEA 3(3,0)
Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. *Occasional.*

HFT 3517 RCHM-TEA 3(3,0)
Convention and Conference Sales: PR: HFT 2750, HFT 2500 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. *Fall.*

HFT 3519 RCHM-TEA 3(3,0)
Event Services: PR: HFT 2750 or C.I. In-depth understanding of the acquisition and management of services integral to successful events, including conventions, conferences and catered functions. *Fall, Spring.* M&S fee \$32.00

HFT 3523 RCHM-TEA 3(3,0)
Event Sales: PR: HFT 2500 and HFT 3519, or C.I. In-depth look at the sales process for events, including the development of requests for proposals, negotiation skills and sales strategies. *Fall, Spring.*

HFT 3540 RCHM-HSP SERV 3(3,0)
Guest Services Management I: PR: Junior standing or C.I. The study of making decisions from the guest's point of view in the hospitality industry. *Fall, Spring.*

HFT 3574 RCHM-FOOD&LODG 3(3,0)
Foodservice Marketing, Sales, and Distribution: PR: HFT 2500 and HFT 3263. Food service marketing, sales, and distribution from both an operator and supplier perspective. *Fall, Spring.*

HFT 3603 RCHM-HSP SERV 3(3,0)
Legal Environment in the Hospitality and Tourism Industry: PR: C.I. Principles of law as related to the Hospitality/Tourism Industry. *Fall, Spring.*

HFT 3654 RCHM-FOOD&LODG 3(3,0)
Franchising in the Restaurant Industry: PR: HFT 2401, HFT 2500, HFT 3263. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. *Occasional.*

HFT 3670 RCHM-TEA 3(3,0)
Hospitality and Event Risk Management: PR: HFT 1000 and HFT 2750; or C.I. Risk, crisis, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. *Occasional.*

HFT 3700 RCHM-TEA 3(3,0)
Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. *Fall, Spring.*

HFT 3741 RCHM-TEA 3(3,0)
Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. *Fall, Spring.*

HFT 3770 RCHM-TEA 3(3,0)
Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management. Shipboard organization and delivery of the cruise product to the guest. *Occasional.*

HFT 3785 RCHM-TEA 3(3,0)
Management of Gaming Enterprises: PR: Junior level standing. An in-depth study of gaming-based organizations including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. *Occasional.*

HFT 3792 RCHM-TEA 3(3,0)
Event Design and Production: PR: HFT 1000, HFT 2750, HFT 3443, and HFT 3670; or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. *Occasional.*

HFT 3798 RCHM-TEA 3(3,0)
Fairs and Festivals: PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. *Occasional.*

HFT 3868 RCHM-FOOD&LODG 3(3,0)
History and Culture of Wine: PR: World History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. *Fall, Spring.* M&S fee \$70.00

HFT 3933 RCHM-RCHM 1(1,0)
Distinguished Lectures in Hospitality Management: PR: HFT 1000, Junior standing. First hand introduction to hospitality leaders, their perspectives on the segments they represent, and the breadth of those segments. Graded S/U. *Fall, Spring.*

HFT 3949 RCHM-RCHM 0-5(0,1-5)
Cooperative Education: Provides paid, pre-professional work experience related to the students' major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. *Fall, Spring.*

HFT 4065 RCHM-FOOD&LODG 3(3,0)
Fine Spirits Management: PR: HFT 1000 and at least 21 years of age. This course is designed to familiarize the student with the production, aroma/taste profiles, branding, advertising, sales, distribution, laws, regulations, and responsible practices of distilled spirits. *Occasional.* M&S fee \$45.00

HFT 4206C RCHM-FOOD&LODG 3(3,1)
Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas; food service lab component. *Occasional.*

HFT 4253 RCHM-FOOD&LODG 3(3,0)
Advanced Lodging Operations: PR: HFT 2401, HFT 2500, HFT 3444, HFT 3603 and Senior Standing. Advanced case study course based on interaction with hotels, timeshares, shared ownership properties, and other sleeping accommodations. Exposes course participants to real life operational situations. *Fall, Spring.*

HFT 4255 RCHM-FOOD&LODG 3(3,0)
Advanced Hotel Development: PR: HFT 4464, HFT 4473, or C.I. Hotel investment practices, risk management and other investment decision factors. *Occasional.*

HFT 4266 RCHM-FOOD&LODG 3(3,0)
Hospitality Brand Management: PR: HFT 3263 and junior standing or C.I. Exploration of the principles of brand management for restaurants and foodservice, hotels, timeshares and shared ownership properties. *Fall.*

HFT 4268 RCHM-FOOD&LODG 3(3,0)
Case Studies in Restaurant Management: PR: HFT 3263 and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. *Fall, Spring.*



HFT 4274 RCHM-FOOD&LODG 3(3,0)
Resort Management: PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques in the management of hotels and shared ownership/timeshare properties. *Spring.*

HFT 4275 RCHM-FOOD&LODG 3(3,0)
Development of Vacation Ownership Resorts: PR: HFT 3273 and Junior standing. Comprehensive analysis of applied theories, principles, and techniques used in the planning and development of vacation resorts. *Occasional.*

HFT 4277 RCHM-TEA 3(3,0)
Yacht, Country, And City Club Management: PR: HFT 1000 and junior standing or C.I. A study of the history, development, operation and management of Yacht, Country and City Clubs. Emphasis will be placed on operational aspects. *Fall.*

HFT 4281 RCHM-FOOD&LODG 3(3,0)
Restaurant Leadership Strategies and Tactics: PR: HFT 3263 and Junior standing. An analysis of the leadership styles of restaurant industry founders and executives. *Occasional.*

HFT 4286 RCHM-HSP SERV 3(3,0)
Hospitality Communications: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on inter departmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. *Fall, Spring.*

HFT 4295 RCHM-HSP SERV 3(3,0)
Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. *Fall, Spring.*

HFT 4343 RCHM-HSP SERV 3(3,0)
Hospitality Facilities Management: PR: HFT 1000, HFT 2254 and Junior standing; or C.I. Principles of facility planning, layout, design, and physical plant characteristics for hotels, timeshares and shared ownership properties, restaurants and foodservice and other hospitality related venues. *Fall, Spring.*

HFT 4358 RCHM-TEA 3(3,0)
Golf & Club Facility Design: PR: HFT 4277. Golf course and golf facility design from a functional perspective and from a perspective of form. *Occasional.*

HFT 4375 RCHM-TEA 3(3,0)
Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. *Occasional.*

HFT 4413 RCHM-HSP SERV 3(3,0)
Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. *Odd Spring.*

HFT 4432 RCHM-HSP SERV 3(3,0)
Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. *Occasional.*

HFT 4457 RCHM-HSP SERV 3(3,0)
Food, Beverage, and Labor Cost Controls: PR: HFT 3263, HFT 3431, and Junior standing. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. *Fall, Spring.*

HFT 4464 RCHM-HSP SERV 3(3,0)
Hospitality Industry Finance: PR: HFT 3431 and junior standing or C.I. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. *Odd Fall, Odd Spring.*

HFT 4468 RCHM-HSP SERV 3(3,0)
Hospitality Industry Revenue Management: PR: HFT 2254 and HFT 3431, and Junior standing. Revenue management practices in hospitality organizations which include capacity management, revenue forecasting pricing strategies, and distribution. *Fall, Spring.*

HFT 4473 RCHM-HSP SERV 3(3,0)
Hospitality Development Analysis: PR: HFT 2254, HFT 2500, HFT 3431, and Junior standing. Review of methodological operation, financial and marketing aspects of analyses for foodservice, hotels, timeshares, and shared ownership development projects. *Fall.*

HFT 4522 RCHM-FOOD&LODG 3(3,0)
Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 2254, or C.I. Sales tactics and business-to-business strategies employed in the sales and marketing of resort hotels, timeshares, and shared ownership properties. *Fall.*

HFT 4532 RCHM-TEA 3(3,0)
Managing the Employee Experience in the Theme Park and Attraction Industry: PR: HFT 4755 and junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. *Fall.*

HFT 4561 RCHM-TEA 3(3,0)
Destination Marketing: PR: HFT 2500 and HFT 3700. Development of destination-oriented marketing goals and strategies with an emphasis on integrated destination marketing. Covers trends and challenges influencing destination marketing. *Occasional.*

HFT 4614 RCHM-TEA 3(3,0)
Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 3603; or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. *Occasional.*

HFT 4732 RCHM-TEA 3(3,0)
Tourism Impact Analysis: PR: HFT 3700. Quantitative impact analysis of tourism as an industry in the regional/national economy along the tourism satellite accounts concept. *Fall, Spring.*

HFT 4735 RCHM-TEA 3(3,0)
Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and the World. *Fall, Spring.*

HFT 4736 RCHM-TEA 3(3,0)
Destination Management: PR: HFT 3700. Principles and issues related to destination management; strategies and processes involving design, operations, distribution, networking and impact of tourism at the destination. *Occasional.*

HFT 4753 RCHM-TEA 3(3,0)
Convention and Conference Services: PR: HFT 3517 and junior standing or C.I. Provides an in-depth understanding of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effective convention and conference operations. *Spring.*

HFT 4754 RCHM-TEA 3(3,0)
Exhibit and Trade Show Operations: PR: HFT 2750 and junior standing or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. *Fall, Spring.*

HFT 4755 RCHM-TEA 3(3,0)
Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design. *Fall, Spring.*

HFT 4757 RCHM-TEA 3(3,0)
Event Management: PR: HFT 3670, HFT 3512, HFT 3373 HFT 3523, HFT 3519, or C.I. Event planning, including how organizations use events to achieve strategic objectives. Students plan and execute events that meet and/or exceed industry standards. *Fall, Spring.* M&S fee \$65.00

HFT 4759 RCHM-TEA 3(3,0)
Product Development in Theme Parks and Attractions: PR: HFT 4755 and junior standing or C.I. The strategic management process associated with product development in the theme parks and attraction industry. *Occasional.*

HFT 4762 RCHM-TEA 3(3,0)
Current Practices in the Airline Industry: PR: Junior standing. A survey of the U.S. and International airline industry. Emphasis on the organization and management functions of the airlines. *Occasional.*

HFT 4786 RCHM-TEA 3(3,0)
Managing the Guest Experience in the Theme Park and Attraction Industry: PR: HFT 4755. The management of guest needs and expectations in theme parks and attractions. *Spring.*

HFT 4787 RCHM-TEA 3(3,0)
Operational Issues in the Theme Park and Attraction Industry: PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions. *Fall.*

HFT 4791 RCHM-TEA 3(3,0)
Event Management II: PR: HFT 3670, HFT 3512, HFT 3443, HFT 3792, FSS 2221C, HFT 3802, and HFT 3757. Capstone course in event management. Students produce an event that has been planned in HFT 3757. *Occasional.* M&S fee \$65.00

HFT 4795 RCHM-TEA 3(3,0)
Entertainment Arts and Events: PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, costuming, staffing, and evaluation. *Fall, Spring.*

HFT 4796 RCHM-TEA 3(3,0)
International Events: PR: HFT 1000 and HFT 2750; or C.I. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. *Occasional.*

HFT 4802 RCHM-TEA 3(3,0)
Catering Management: PR: HFT 3443, HFT 3670, HFT 3792, HFT 3512, FSS 2221C. Catering sales and operations. Emphasis on logistics, market segments, and service. *Fall, Spring.* M&S fee \$45.00

HFT 4844 RCHM-FOOD&LODG 3(3,0)
Sanitation in the Food Service Industry: PR: HFT 1000. Causes and prevention of food spoilage and food borne illnesses. Includes National Restaurant Association (NRA) certification. *Fall, Spring.*

HFT 4861C RCHM-FOOD&LODG 3(3,1)
Beverage Management: PR: HFT 1000, minimum age of 21 by the first day of class, and junior standing. The origin production, storing, marketing, and control of beverages in the hospitality industry. *Fall, Spring.* M&S fee \$45.00

HFT 4864 RCHM-FOOD&LODG 3(3,0)
Seminar in Quality Brewing and Fine Beer: PR: HFT 1000, minimum age of 21 by first day of class. The production and service of malt beverages. *Fall, Spring.* M&S fee \$45.00

HFT 4865 RCHM-FOOD&LODG 3(3,0)
Advanced Wine Management: PR: HFT 4866C or C.I. Advanced study of viticulture, enology and wine regions of the world. *Occasional.* M&S fee \$70.00

HFT 4866C RCHM-FOOD&LODG 3(3,1)
Exploring Wines of the World: PR: HFT 1000, minimum age of 21 by first day of class, or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. *Fall, Spring.* M&S fee \$70.00

HFT 4894 RCHM-FOOD&LODG 3(3,0)
International Gastronomy: PR: FSS 2221C, HFT 1000, and C.I. A world view of culture and cuisine that includes an international travel component. May be used in the degree program a maximum of 2 times. *Occasional.*

UCF Courses and Descriptions

HFT 4949 RCHM-RCHM 0-5(0,1-5)
Cooperative Education: Provides paid, pre-professional work experience related to the students' major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. *Fall, Spring.*

HIM 3006 HPA-HMI 3(3,0)
Foundations of Health Information Management (HIM): PR: ENC 1102. Foundation of profession; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. *Fall, Spring.*

HIM 3116C HPA-HMI 4(3,2)
Health Record Organization and Management: PR: HIM 3006 and acceptance into the upper-division limited access HIM program; or C.I. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization. *Spring.*

HIM 3806C HPA-HMI 3(1,4)
Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HSC 3537 and HIM 3116C. Virtual hospital tour; master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. *Fall, Spring.*

HIM 4226C HPA-HMI 5(3,4)
Coding Procedures I: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM; DRGs; encoders. *Fall, Spring.*

HIM 4256C HPA-HMI 3(2,2)
Coding Procedures II: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; CPT/HCPCS; APCs; encoders. *Fall.*

HIM 4344C HPA-HMI 4(3,2)
Health Information Department Management: PR: HIM 3116C; HSA 4180 or MAN 3025; or C.I. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. *Fall.*

HIM 4508C HPA-HMI 3(2,2)
Quality Management: PR: HSC 3537 or C.I. Principles and mechanics of quality improvement; utilization review; case management and risk management. *Fall, Spring.*

HIM 4656C HPA-HMI 3(2,2)
Health Information Management Systems: PR: or CR: HIM 3006. Visualization of computerized information systems, management and patient care in the health care industry, systems analysis, system design and project management concepts. *Fall, Spring.*

HIM 4676 HPA-HMI 3(3,0)
Professional Development and Issues in Health Information Management: PR: HIM 4344C, HIM 4508C. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. *Spring.*

HIM 4816C HPA-HP 3(1,4)
Professional Practice Experience II: PR: HIM 3806C and CR: HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4508C. Transcription; coding; quality improvement; risk management; human resources; statistics; accrediting and licensing; revenue management cycle; medical staff organization. *Fall, Spring.*

HIM 4838 HPA-HMI 5(0,15)
Management Affiliation: PR: or CR: HIM 4676 and HIM 4816C. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Health Information Administrator; lab exercises; comprehensive exam. *Fall, Spring.*

HIM 5118C HPA-HMI 4(3,1)
Health Care Informatics and Information Technology: PR: Admission to M.S. in Health Care Informatics or C.I. An overview of information systems in healthcare and information technology in healthcare decision making. Ethical, planning and legal issues of informatics will be explored. *Fall.*

HIS 3462 CAH-HIST 3(3,0)
History of Science: PR: EUH 2000 and EUH 2001 or C.I. Examines past and present science, scientific thought, and the relationship between science and society. *Occasional.*

HIS 3949 CAH-HIST 0(0,8)
Cooperative Education in History: PR: Departmental permission required before registering. Cooperative education experience in history. Graded S/U. May be repeated for credit. *Occasional.*

HIS 4065 CAH-HIST 3(3,0)
Public History: Principles & Techniques: PR: AMH 2020 or C.I. Practice of public history including historic preservation, museum studies, archival management, oral history, digital history, historical editing, and conservation science. *Occasional.*

HIS 4070 CAH-HIST 3(3,0)
Oral History: PR: Either AMH 2010, AMH 2020 or C.I. Theories and practices of oral history. Field work required. *Occasional.*

HIS 4150 CAH-HIST 3(3,0)
History and Historians: PR: C.I. A study of European and/or American historiography. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

HIS 4323 CAH-HIST 3(3,0)
History of the Future: PR: EUH 2000 and EUH 2001. Past visions of the future and how they were influenced by issues relevant to the period. Emphasis on 19th and 20th centuries. *Occasional.*

HIS 4490 CAH-HIST 3(3,0)
History of Medicine: PR: AMH 2010 or AMH 2020. The history of medicine and its relationship to culture and society from the Ancient World to the present. *Occasional.*

HIS 4935 CAH-HIST 3(3,0)
Senior Seminar: PR: Senior standing, history major, and C.I. Research in history through sustained reading, writing, and discussion on a focused topic. May be repeated for credit. *Fall, Spring.*

HIS 4944 CAH-HIST 3(3,0)
Internship in Public History: PR: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. *Fall, Spring.*

HIS 4970 CAH-HIST 3(3,0)
Senior Thesis: Original research paper available to advanced history majors, topics to be selected in consultation with a directing professor. *Occasional.*

HIS 4970H CAH-HIST VAR
Honors Undergraduate Thesis: Graded S/U or Letter grade. *Occasional.*

HIS 5067 CAH-HIST 3(3,0)
Introduction to Public History: PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. *Occasional.*

HLP 2701 ED-TL&L 3(3,0)
Peer Education Training: PR: Sophomore standing and C.I. Strategies for teaching life skills and health education information for secondary students and college age peers. *Fall, Spring.*

HLP 4720 ED-TL&L 1(1,0)
Teaching Elementary School Health and Physical Education: PR: EDF 2005; CR: ARE 4313, MUE 3210, RED 4519, MAE 4326, and EDE 3942. Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school. *Fall, Spring.*

HSA 3012 HPA-HP 3(3,0)
Issues & Trends in Public Health: PR: Sophomore standing and (CGS 1060C or CGS 2100C). The American public health system, looking at the historical, present day, and future organization and management of all its components. *Occasional.*

HSA 3111 HPA-HP 3(3,0)
U.S. Health Care Systems: PR: (CGS 1060C or CGS 2100C) and Sophomore Standing. A survey of the economics, social, and political aspects of the health care system in the United States. *Fall, Spring.*

HSA 3170 HPA-HP 3(3,0)
Health Care Finance: PR: HSA majors - PR: or CR: HSA 3111 and PR: ACG 2021 and ACG 2071; non-HSA majors: ACG 2021 and ACG 2071. Budgeting and resource allocation related to health care agencies. *Fall, Spring.*

HSA 3222 HPA-HP 3(3,0)
Long Term Care and Administration: PR: HSA major and Sophomore standing, or C.I. Organization and functioning of long-term care administration. Covers long-term care providers, interaction in long-term care continuum, managing long-term care and future issues. *Even Fall, Spring.*

HSA 3430 HPA-HP 3(3,0)
Health Care Economics: PR: HSA 3111; ECO 2023; or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers behaviors in the delivery of health services. *Fall, Spring.*

HSA 4109 HPA-HP 3(3,0)
Principles of Managed Care: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. *Even Fall, Spring.*

HSA 4180 HPA-HP 3(3,0)
Organization & Management for Health Agencies I: PR: HSA 3111 or admitted to HIM program. General description and analysis of the management and organization of a variety of healthcare organizations including hospitals, long term care facilities and medical group practices. *Fall, Spring.*

HSA 4184 HPA-HP 3(3,0)
Organization & Management for Health Agencies II: PR: HSA 3111 and HSA 4180, or C.I. In-depth analysis of the management and organization of healthcare organizations including hospitals, long term care facilities, and medical group practices. *Fall.*

HSA 4191 HPA-HP 3(3,0)
Health Care Automation: PR: HSA 3111; CGS 2100C, or CGS 1060C; or C.I. Analysis and design of computerized systems for health data and health administration. *Fall, Spring.*

HSA 4220 HPA-HP 3(3,0)
Long Term Patient Management: PR: HSA 3111. Concepts and process of patient care planning and management in a long term care facility. *Occasional.*

HSA 4502 HPA-HP 3(3,0)
Risk Management Systems: PR: HSA 3111 or C.I. Safety, liability and loss control issues with emphasis on risk retention, risk reduction and risk transfer in health care. *Fall, Spring.*

HSA 4702 HPA-HP 3(3,0)
Health Sciences Research Methods: PR: (STA 2014C or STA 2023) and Junior Standing, or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. *Fall, Spring.*

HSA 4850 HPA-HMI VAR
Health Services Administration Internship: PR: 2.5 UCF GPA, 90 overall credit hours, 24 HSA credit hours, approval of the Internship Director. Administrative experience in an approved health care organization. *Fall, Spring.*



HSA 4939 HPA-HMI 3(3,0)
Health Services Administration Capstone: PR: HSA major and senior standing, HSA 3170, HSA 3430 and HSA 4184. Capstone course applies healthcare administration theory to a healthcare organization. Students will integrate previous coursework to evaluate an existing healthcare organization. *Fall, Spring.*

HSA 5177 HPA-HP 3(3,0)
Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. *Occasional.*

HSA 5198 HPA-HP 3(3,0)
Health Care Decision Sciences and Knowledge Management: PR: STA 5206 or passing score on statistics assessment exam. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving managerial decision making process will be presented. *Occasional.*

HSA 5257 HPA-HP 3(3,0)
ICD9 Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. *Occasional.*

HSA 5258 HPA-HP 3(3,0)
CPT Coding for Health Services Administrators: PR: HSC 6636 or C.I. or BS in health-related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. *Occasional.*

HSA 5436 HPA-HMI 3(3,0)
Foundations of Health Care Economics: PR: Admission to HSA graduate program or C.I. Preparatory course for graduate students who are not prepared to take the required health care economics course. *Fall.*

HSA 5509 HPA-HMI 3(3,0)
Health Care Risk Management: PR: Admission to M.S. in Health Services Administration or C.I. This course examines the background, history and philosophy of health care risk management including clinical risks, malpractice, interpreting contracts and insurance and ethical decision making. *Fall.*

HSC 1931C HPA-HPA 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. *Occasional.*

HSC 2000 HPA-HP 2(2,0)
Introduction to the Allied Health Professions: PR: Freshman and Sophomores only. A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Graded S/U. *Fall.*

HSC 2921 HPA-HPA 2(2,0)
LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1931C, EGN 1036C, IDS 1040C, GEB 1091C or EDG 1005C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. *Occasional.*

HSC 3110 HPA-HP 3(3,0)
Medical Self Assessment: PR: Sophomore Standing. Development of clinical skills and understanding of one's health to encourage active participation of individuals in their own health care. *Fall, Spring.*

HSC 3147 HPA-HP 3(3,0)
Introduction to Pharmacology: PR: BSC 2010C and Sophomore Standing. Review of terminology and regulations. Study of drug types and usage. *Fall, Spring.*

HSC 3211 HPA-HP 3(3,0)
Preventive Health Care: PR: PCB 3703C. An established interdisciplinary approach to help people maintain health and prevent chronic diseases, stress, and addiction. *Fall, Spring.*

HSC 3432 HPA-HP 3(3,0)
Occupational Safety for the Health Care Professional: PR: ZOO 3733C and PCB 3703C. Issues surrounding the health care environment and the risks associated with working there. *Fall, Spring.*

HSC 3537 HPA-HP 3(3,0)
Medical Terminology: A study of the language of medicine and allied health specialties, including word construction, definitions, and application of terms. *Fall, Spring.*

HSC 3559 HPA-COM SC&DIS 3(3,0)
Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. *Fall.*

HSC 3593 HPA-HP 3(3,0)
HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. *Fall, Spring.*

HSC 3640 HPA-HP 3(3,0)
Health Law: PR: HSA 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. *Fall, Spring.*

HSC 4008 HPA-HP 3(3,0)
Professional Development in Health Professions: PR: ENC 1102 and Junior Standing. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements. *Fall, Spring.*

HSC 4158 HPA-HP 3(3,0)
Medical Pharmacology I: PR: BSC 2010C and admission to Cardiopulmonary Sciences program, or C.I. General pharmacological principles such as regulations, prescriptions, routes of administration, drug action mechanisms, indications/contraindications, and the side effects of cardiopulmonary drug classes. *Fall.*

HSC 4159 HPA-HP 2(2,0)
Medical Pharmacology II: PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes inotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists. *Spring.*

HSC 4201 HPA-HP 3(3,0)
Community Health: PR: ENC 1102 and Junior Standing, or C.I. Historical, sociocultural and economic factors in community health; current community health problems; interphase of governmental, voluntary and private agencies. *Fall, Spring.*

HSC 4500 HPA-HP 3(3,0)
Epidemiology: PR: HSA 3111 and (STA 2014C or STA 2023), or C.I. A study of the distribution and determination of diseases and injuries in human population. *Fall, Spring.*

HSC 4501 HPA-HP 3(3,0)
Epidemiology of Chronic Diseases: PR: ZOO 3733C, PCB 3703C, and (STA 2014C or STA 2023). Epidemiology of chronic diseases including risk factors, etiology, mortality and morbidity as they relate to clinical practice, research, and intervention. *Occasional.*

HSC 4555 HPA-HP 3(3,0)
Pathophysiology I: PR: ZOO 3733C and PCB 3703C, or C.I. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the immune, cardiovascular, respiratory, and renal systems. *Fall, Spring.*

HSC 4558 HPA-HP 3(3,0)
Pathophysiology II: PR: PCB 3703C and ZOO 3733C. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the digestive, hepatobiliary, nervous, and endocrine systems. *Fall, Spring.*

HSC 4564 HPA-HP 3(3,0)
Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. *Fall, Spring.*

HSC 4572 HPA-HP 3(3,0)
Clinical Nutrition: PR: HUN 2201. Basic principles of both normal and medical nutrition therapy associated with health and chronic diseases of public health importance. *Fall, Spring.*

HSC 4652 HPA-HP 3(3,0)
Health Law and Ethics: PR: ENC 1102 and Junior Standing, or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. *Fall, Spring.*

HSC 4730 HPA-HP 3(3,0)
Applied Health Research Methodology: PR: (STA 2023 or STA 2014C) and Junior Standing. Clinical research issues including: clinical research questions, protocol, patient safety, IRB, ethics and patient rights. *Occasional.*

HSC 5317 ED-CFCS 3(3,0)
Health Methods: Teaching Strategies and Interventions: PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, methodology, and curriculum to develop a comprehensive school health program. *Occasional.*

HSC 5595 HPA-HP 3(3,0)
AIDS: A Human Concern: Focus on epidemiology, transmission, prevention, legal and health care issues, economic impact, psychosocial aspects, sexuality, substance abuse, ethics, hotlines, referral services and the decision making process. *Occasional.*

HUM 2020 CAH-PHIL 3(3,0)
Encountering the Humanities: The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities. *Spring.*

HUM 2210 CAH-PHIL 3(3,0)
Humanistic Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. *Fall, Spring.*

HUM 2210H CAH-PHIL 3(3,0)
Honors Humanistic Tradition I: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. *Fall.*

HUM 2230 CAH-PHIL 3(3,0)
Humanistic Tradition II: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. *Fall, Spring.*

HUM 2230H CAH-PHIL 3(3,0)
Honors Humanistic Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. *Spring.*

HUM 3252 CAH-PHIL 3(3,0)
Contemporary Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century. *Occasional.*

HUM 3255 CAH-PHIL 3(3,0)
Modern Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period. *Occasional.*

HUM 3307 CAH-PHIL 3(3,0)
Memory and Testimony: PR: HUM 2210 and HUM 2230 and Junior standing. Interdisciplinary exploration of personal and public memory, focusing on the significance of memory and testimony for our sense of self, family, community, culture, and nation. *Odd Spring.*

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HUM 3320 CAH-PHIL 3(3,0)
Contemporary Multicultural Studies: PR: HUM 2230, Junior standing, or C.I. Studies the confluence of diverse cultures making up North America in the Information Age, focusing on complete primary sources in philosophy, literature, visual arts and music. *Even Fall.*

HUM 3326 CAH-PHIL 3(3,0)
Theories of Sex and Gender in Humanities: PR: HUM 2210 and HUM 2230, or C.I. Historical and contemporary theories of sex and gender relevant in interdisciplinary Humanities. *Occasional.*

HUM 3394 CAH-PHIL 3(3,0)
Representations of Place and Space: PR: HUM 2230 or C.I. Phenomenological, symbolic, constructivist, and determinist approaches to personal and social place and space. *Occasional.*

HUM 3401 CAH-PHIL 3(3,0)
Asian Humanities: PR: HUM 2230, Asian Studies minor, or C.I. An interdisciplinary survey of the cultures of India, China, and Japan, concentrating on their traditional art, literature, religion, philosophy, and music. *Occasional.*

HUM 3419H CAH-PHIL 3(3,0)
Honors Islamic Thought and Culture: PR: HUM 2230, or REL 2300, and Consent of Honors. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. With Honors content. *Occasional.*

HUM 3423 CAH-PHIL 3(3,0)
African Humanities: PR: HUM 2230, HUM 3320, or C.I. Contemporary art, culture, and philosophy in selected African countries. *Occasional.*

HUM 3431 CAH-PHIL 3(3,0)
Ancient Humanities: PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art. *Occasional.*

HUM 3435 CAH-PHIL 3(3,0)
Medieval Humanities: PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. *Occasional.*

HUM 3460 CAH-PHIL 3(3,0)
Latin American Humanities: PR: HUM 2210 or HUM 2230. Ideas in cultures of Latin America and Caribbean basin as expressed in arts, architecture, music, philosophy, religion, literature and film. *Occasional.*

HUM 3800 CAH-PHIL 3(3,0)
Research Methods in Humanities: PR: Junior standing, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies. *Occasional.*

HUM 3805 CAH-PHIL 3(3,0)
Critical Theory in the Humanities: PR: HUM 2210 and HUM 2230, or C.I. Theories of interpreting technologies, texts, and practices, with emphasis on film, visual/performing arts, music, religion, and philosophy. *Occasional.*

HUM 3830 CAH-PHIL 3(3,0)
Introduction to Digital Humanities: PR: Grade of "C" (2.0) or better required in one of the following: ENC 1101, ENC 1102, PHI 2010, HUM 2210, or HUM 2230 or C.I. Investigation of the application of digital tools to humanities questions, and to questions about contemporary life. *Fall.*

HUM 4301 CAH-PHIL 3(3,0)
The Classical Ideal: PR: HUM 2210 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. *Spring.*

HUM 4330 CAH-PHIL 3(3,0)
Performance Theory: PR: Junior standing and HUM 2230 or either PHI 2010, PHI 2011, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performatives, bodily and virtual performances, self-identity, and the politics of performance. *Occasional.*

HUM 4459 CAH-PHIL 3(3,0)
American Cultural Studies in Humanities: PR: HUM 2210 and HUM 2230, or C.I. Theories of culture intersecting race, class, gender, migration, ability, and national identity in North America. *Occasional.*

HUM 4823 CAH-PHIL 3(3,0)
Queer Theory in the Humanities: PR: HUM 2210 and HUM 2230 and Junior standing or C.I. Developments in queer theory. Challenge to research by scholars, activists, performers, and visual artists. *Occasional.*

HUM 4826 CAH-PHIL 3(3,0)
Postcolonial Theory: PR: HUM 2210 and HUM 2230; Junior standing. Interdisciplinary overview of postcolonial philosophy, literature, film, art and cultural theory. *Even Fall.*

HUM 4931 CAH-PHIL 3(3,0)
Key Figures in the Humanities & Cultural Studies: PR: HUM 2020 or C.I. Study of a central Humanities/Cultural Studies figure's work, influences, reception, and effect. May be repeated for credit only when course content is different. *Occasional.*

HUM 4933 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Humanities major, or C.I. Capstone course on research, developing effective oral and written communication skills. *Spring.*

HUM 4934 CAH-PHIL 3(3,0)
Key Concepts in Humanities & Cultural Studies: PR: HUM 2020 or C.I. Study of the development, meaning, and implications of a central concept in the Humanities and Cultural Studies. May be repeated for credit only when course content is different. *Occasional.*

HUM 5802 CAH-PHIL 3(3,0)
Applied Contemporary Humanities: PR: HUM 5803, graduate status or senior standing, or C.I. Development of an application research project relevant to contemporary cultural issues, using Humanities theories and methods. *Occasional.*

HUM 5803 CAH-PHIL 3(3,0)
Theories and Methods of the Humanities: PR: Senior undergraduate standing and at least one of the following: HUM 3252, HUM 3320, or PHI 4808 or graduate standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. *Fall.*

HUN 2201 HPA-HP 3(3,0)
Fundamentals of Human Nutrition: Functions, roles, guidelines and requirements for nutrients. Includes digestion, absorption, nutrient interactions, effects of deficiencies or toxicities, food sources and weight management. Emphasis is on prevention of disease. *Fall, Spring.*

HUN 3011 CON-NURS 3(3,0)
Human Nutrition: PR: or CR: ZOO 3733C and CHM 1032 or C.I. Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. *Fall, Spring.*

HUN 3013 RCHM-FOOD&LODG 3(3,0)
Nutrition Concepts and Issues in the Food Service Industry: PR: FSS 2221C or C.I. Introduces basic nutrition concepts. Discusses nutrition concepts and concerns in relation to food preparation and service in the hospitality industry. *Occasional.*

HUN 5247 HPA-HP 3(3,0)
Principles of Human Nutrition: PR: Admission to Health Sciences MS Clinical and Lifestyle Sciences track or C.I. Course promotes in-depth understanding of the role of macronutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. *Occasional.*

IDH 1920H BHC-HON 2(2,1)
Honors Symposium I: PR: Permission of Honors. Readings, lectures, discussions, and laboratories covering aspects of scholarship and service learning. Graded S/U. *Fall.*

IDH 1921H BHC-HON 2(2,0)
Honors Symposium II: PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. *Spring.*

IDH 3600H CAH-PHIL 3(3,0)
Honors Case Studies in Ethics: PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to interdisciplinary problems and will participate in team debates. With Honors content. *Fall.*

IDH 4030H BHC-HON 1(3,0)
Honors Windows To The World: PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. *Occasional.*

IDS 1040C COS-COMM 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts & Sciences providing a foundation of leadership, scholarship, and service regarding disciplines in the college. *Fall, Spring.*

IDS 2042C COS-COS 2(1,1)
LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, GEB 1091C, HSC 1931C, EGN 1036C, EDG 1005, or EDF 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. *Occasional.*

IDS 3150 UGST-INTERDISC 3(3,0)
Foundations of Environmental Studies: PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. *Spring.*

IDS 3180 COS-POLS 3(3,0)
Civic Engagement: PR: Junior standing and either PAD 3003 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. *Even Fall, Even Spring.*

IDS 3333 UGST-INTERDISC 3(3,0)
World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. *Occasional.*

IDS 3933 UGST-INTERDISC 3(3,0)
Cornerstone Experience: PR: ENC 1102, Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. *Fall, Spring.*

IDS 4204C ECS-ECS 3(2,2)
Advanced Topics on Energy and Sustainability: PR: Acceptance into the Energy and Sustainability Minor, Senior standing and Completion of GEP or C.I. Contemporary topics in energy and sustainability. Seminars and lectures from industry, academia, government, and UCF speakers. Students are required to work on individual or team assignments, research projects, and present their work in the format of mini seminars. *Occasional.*

IDS 4315 COS-POLS 3(3,0)
Global Perspectives: PR: ENC 1102 or POS 2041 or C.I. The historical and contemporary contexts of globalization. *Fall, Spring.*

IDS 4934 UGST-INTERDISC 3(3,0)
Capstone Experience: PR: IDS 3933, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic/career goals. *Fall, Spring.* M&S fee \$17.00

IDS 5127 COM-M&M 3(3,0)
Foundation of Bio-Imaging Science: PR: Graduate standing. Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. *Occasional.*



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IDS 5145 GRDST-INTERDIS 3(3,2)
Interdisciplinary Course in Simulation: PR: Calculus, matrix algebra, probability and statistics, high level programming language. An interdisciplinary course on simulation with hands-on experience in discrete event modeling, continuous modeling and shared virtual world. May be repeated for credit. *Occasional.*

INP 3004 COS-PSYCH 3(3,0)
Industrial/Organizational Psychology: PR: PSY 2012. Psychological theories and principles applicable to problems in industrial organizations. *Fall, Spring.*

INP 3004H COS-PSYCH 3(3,0)
Honors Industrial/Organizational Psychology: PR: PSY 2012 and consent of Honors. Psychological theories and principles applicable to problems in industrial organizations. With Honors content. *Occasional.*

INP 3141C COS-PSYCH 1-3(0,3-9)
Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or educational settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. *Fall, Spring.*

INP 3951 COS-PSYCH 3(0,10)
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. *Occasional.*

INP 4313 COS-PSYCH 3(3,0)
Organizational Psychology: PR: INP 3004C. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, intergroup behavior, and organization development. *Occasional.*

INP 4380 COS-PSYCH 3(3,0)
Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. *Occasional.*

INP 5825 COS-PSYCH 3(3,0)
Human-computer Interface (HCI) design: **A team approach:** PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. *Occasional.*

INR 2002 COS-POLS 3(3,0)
International Relations-Theory and Practice: PR: ENC 1102 or C.I. Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. *Fall, Spring.*

INR 3016 COS-POLS 3(3,0)
Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income gap to gender issues and environmental challenges. *Occasional.*

INR 3250 COS-POLS 3(3,0)
Politics of Pan-Africanism: PR: INR 2002. Political expressions of Pan-Africanism throughout the major regions of the African Diaspora. *Occasional.*

INR 3253 COS-POLS 3(3,0)
International Politics of Africa: PR: ENC 1102 or POS 2041 or C.I. The broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.- African relations. *Occasional.*

INR 4011 COS-POLS 3(3,0)
Politics of Globalization: PR: ENC 1102 or POS 2041 or C.I. Major political causes and consequences of globalization. *Occasional.*

INR 4030 COS-POLS 3(3,0)
Diplomacy: PR: ENC 1102 or POS 2041 or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. *Spring.*

INR 4030H COS-POLS 3(3,0)
Honors Diplomacy: PR: POS 2041 and consent of Honors. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. *Occasional.*

INR 4035 COS-POLS 3(3,0)
International Political Economy: PR: ENC 1102 or POS 2041 or C.I. The international politics of regional and global economic interdependence, with emphasis upon North-South relations, the New International Economic Order, OPEC, and multinational corporations. *Odd Spring.*

INR 4054 COS-POLS 3(3,0)
Global Politics of Energy: PR: ENC 1102 or POS 2041 or C.I. International/national dimensions of global energy policy within developed and underdeveloped countries. *Occasional.*

INR 4060 COS-POLS 3(3,0)
Causes of War: PR: ENC 1102 or POS 2041 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict. *Fall.*

INR 4063 COS-POLS 3(3,0)
The Cold War: PR: ENC 1102 or POS 2041 or C.I. Politics of US-Soviet relations emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. *Occasional.*

INR 4074 COS-POLS 3(3,0)
Immigration Policy: PR: ENC 1102 or POS 2041 or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and statelessness and their political/security impact. *Occasional.*

INR 4075 COS-POLS 3(3,0)
Human Rights Policy: PR: ENC 1102 or POS 2041 or C.I. Meaning of human rights, political and international implications of human rights policies, relationship to global peace, racism, gender inequality, economic development and democratization. *Spring.*

INR 4076 COS-POLS 3(3,0)
Global Drug Policy: PR: ENC 1102 or POS 2041 or C.I. International drug control issues, policy formulation and enforcement, impact of government and political economic systems on drug policy. Selected Latin American and Third World cases. *Odd Spring.*

INR 4083 COS-POLS 3(3,0)
War and Violent Politics: PR: POS 2041 or C.I. The theoretical and practical disciplinary debates on war and related phenomena, including civil war, genocide, and riots. *Occasional.*

INR 4084 COS-POLS 3(3,0)
Politics of International Terrorism: PR: ENC 1102 or POS 2041 or C.I. Nature and politics of terrorism with primary focus on its implications for international relations. *Occasional.*

INR 4085 COS-POLS 3(3,0)
Women, Gender, and Globalization: PR: ENC 1102 or POS 2041 or C.I. Feminist and gender perspectives in International Relations, Globalization, and International Political Economy. *Occasional.*

INR 4102 COS-POLS 3(3,0)
American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. *Odd Fall.*

INR 4104 COS-POLS 3(3,0)
Topics and Cases in American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. *Odd Spring.*

INR 4114 COS-POLS 3(3,0)
American Security Policy: PR: ENC 1102 or POS 2041 or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. *Occasional.*

INR 4115 COS-POLS 3(3,0)
Strategic Weapons and Arms Control: PR: ENC 1102 or POS 2041 or C.I. Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. *Occasional.*

INR 4116 COS-POLS 3(3,0)
America's 21st Century Wars: PR: POS 2041 or C.I. The causes, conduct, and consequences of the US wars in Iraq and Afghanistan. *Occasional.*

INR 4224 COS-POLS 3(3,0)
Contemporary International Politics of Asia: PR: ENC 1102 or POS 2041 or C.I. Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. *Occasional.*

INR 4225 COS-POLS 3(3,0)
The Vietnam War: PR: POS 2041 or INR 2002, or C.I. Background of events leading to America's involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. *Occasional.*

INR 4243 COS-POLS 3(3,0)
International Politics of Latin America: PR: ENC 1102 or POS 2041 or C.I. Study of contemporary U.S.-Latin American relations, interAmerican politics and organization, and the role of Latin America in the world. *Occasional.*

INR 4304 COS-POLS 3(3,0)
Issues in International Public Policy: PR: ENC 1102 or POS 2041 or C.I. Endogenous and exogenous variables, including policy analysis and decision-making, which influence select international public policy issues. *Occasional.*

INR 4333 COS-POLS 3(3,0)
International Security: PR: POS 2041 or C.I. The security relations and problems of nation states. *Occasional.*

INR 4335 COS-POLS 3(3,0)
Coercion in International Politics: PR: ENC 1102 or POS 2041 or C.I. Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. *Even Fall.*

INR 4350 COS-POLS 3(3,0)
Global Environmental Politics: PR: ENC 1102 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. *Fall.*

INR 4351 COS-POLS 3(3,0)
International Environmental Law: PR: ENC 1102 or POS 2041 or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth's biosphere when challenged by national sovereignty and economic and cultural diversity. *Occasional.*

INR 4364 COS-POLS 3(3,0)
The Intelligence Community: PR: ENC 1102 or POS 2041 or C.I. The intelligence community structure in its relationship to foreign policy decision making, consideration of control and reliability questions, and issues of cooperation and coordination. *Spring.*

INR 4401 COS-POLS 3(3,0)
International Law: PR: ENC 1102 or POS 2041 or C.I. The nature, evolution, and sources of international law and examination of various sub-areas as recognition, maritime law, nationality, and war. *Fall.*

INR 4404 COS-POLS 3(3,0)
Space Law: PR: Junior standing, or C.I. Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. *Occasional.*

INR 4502 COS-POLS 3(3,0)
International Organizations: PR: ENC 1102 or POS 2041 or C.I. The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. *Even Fall, Odd Spring.*



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INR 4603 COS-POLS 3(3,0)
International Relations Theory: PR: ENC 1102 or POS 2041 or C.I. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism. *Fall, Spring.*

INR 4714 COS-POLS 3(3,0)
Politics of International Trade Policy: PR: ENC 1102 or POS 2041 or C.I. Key actors and processes of international trade policy-making at the sub-national, nation-state, regional, and global levels of analysis. *Occasional.*

INR 4774 COS-POLS 3(3,0)
Military Space Policy: PR: ENC 1102 or POS 2041 or C.I. Politics and policymaking involved in militaries globally, consideration of effects on globalization and international policies economic and military. *Occasional.*

INT 4205C HPA-COM SC&DIS 4(3,1)
Interactive Interpreting I: PR: ASL 2140, ASL 2150 and ASL 4161C or C.I. Theories, guidelines, principles and practices of interpreting, including interpreter's role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. *Occasional.*

ISC 2054 COS-MATH 1(2,0)
EXCEL Seminar I: PR: Admission to EXCEL program. Study skills, faculty networking, exposure to STEM professionals. Graded S/U. *Fall.*

ISC 2055 COS-MATH 1(2,0)
EXCEL Seminar II: PR: Admission to EXCEL program. Study skills, faculty networking, exposure to STEM professionals, STEM shadowing experience. Graded S/U. *Spring.*

ISC 2215 COS-MATH 1(3,0)
Interdisciplinary Applications of Calculus I: CR: MAC 2311C. Interdisciplinary applications of differential and integral calculus topics in MAC 2311C to the solution of concrete problems in science, mathematics, and engineering disciplines. *Fall.*

ISC 2216 COS-MATH 1(3,0)
Interdisciplinary Applications of Calculus II: CR: MAC 2312. Interdisciplinary applications of differential and integral calculus topics in MAC 2312 to the solution of concrete problems in science, mathematics, and engineering disciplines. *Spring.*

ITA 1120C CAH-LANG 4(3,1)
Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. *Fall, Spring.*

ITA 1121C CAH-LANG 4(3,1)
Elementary Italian Language and Civilization II: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. *Fall, Spring.*

ITA 2200 CAH-LANG 3(3,0)
Intermediate Italian Language and Civilization I: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. *Fall.*

ITA 2201 CAH-LANG 3(3,0)
Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. *Spring.*

ITA 3420 CAH-LANG 3(3,0)
Italian Composition: PR: ITA 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture. *Spring.*

ITA 3440 CAH-LANG 3(3,0)
Italian for Business: PR: ITA 2200. Italian language for business purposes. *Occasional.*

ITA 3472 CAH-LANG 3(3,0)
Renaissance Art Abroad: PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo. *Occasional.*

ITA 3564 CAH-LANG 3(3,0)
Modern Italian Culture: PR: ITA 2200 or C.I. Modern Italian culture (1920s through today) through literature, film, and mass media. *Spring.*

ITA 3760 CAH-LANG 3(3,0)
Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. *Fall.*

ITA 4280 CAH-LANG 3(3,0)
Italian Syntax Abroad: PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. *Occasional.*

ITT 3443 CAH-LANG 3(3,0)
Dante's Inferno: PR: ITW 3100. An in-depth study of Dante's Inferno. In English. *Occasional.*

ITT 3480 CAH-LANG 3(3,0)
Study Abroad: Italian Literature in Translation: PR: C.I. Main literary tendencies and authors of Italian literature, taught in the native environment. *Occasional.*

ITT 4956 CAH-LANG 3(3,0)
Study Abroad: Modern and Contemporary Italian Culture: PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment. *Occasional.*

ITT 4957H CAH-LANG 3(3,0)
Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian Literature, with honors content. *Occasional.*

ITW 3100 CAH-LANG 3(3,0)
Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. *Occasional.*

ITW 3101 CAH-LANG 3(3,0)
Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. *Occasional.*

ITW 3373 CAH-LANG 3(3,0)
The Modern Italian Short Story: PR: ITA 2201 or C.I. Selection of short stories written by the most significant Italian writers of the 20th century. *Even Fall.*

JOU 2100C COS-COMM 3(3,1)
News Reporting: PR: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammar proficiency requirement. Newsgathering and writing for the mass media. *Fall, Spring.*

JOU 3004 COS-COMM 3(3,0)
History of American Journalism: Development of mass media, leading innovators, and the media's role in the nation's history. *Fall, Spring.*

JOU 3015 COS-COMM 3(3,0)
Principles of Journalism: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. Introduces principles of the journalism industry and lays the foundation for other upper-level journalism courses. *Fall, Spring.*

JOU 3101 COS-COMM 3(3,0)
Advanced Reporting: PR: Journalism major or Magazine Journalism minor and a minimum grade of "C" (2.0) in JOU 2100C. Advanced information-gathering and development of news writing skills. *Fall, Spring.*

JOU 3130 COS-COMM 3(3,0)
In-Depth Reporting: PR: Journalism major and JOU 2100C, or C.I. Writing with analysis, using detail, description, and demographics. *Occasional.*

JOU 3184C COS-COMM 3(2,1)
Metro Reporting: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Coverage of several important news beats in a metropolitan area. *Spring.*

JOU 3201 COS-COMM 3(3,0)
Editing I: PR: Meet grammar proficiency requirement with "A-" or higher in ENC 1101 and ENC 1102, or complete Grammar Proficiency test. Editing copy, writing headlines, managing newsroom operations. *Fall, Spring.*

JOU 3202 COS-COMM 3(3,0)
Editing II: PR: Journalism major or Magazine Journalism minor, a minimum grade of "C" (2.0) in JOU 3201, and a minimum grade of "C" (2.0) in JOU 2100C. Practical aspects of editing. *Occasional.*

JOU 3304 COS-COMM 3(3,0)
Journalism Readings: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. Concepts of literary journalism, designed to enhance understanding and evaluation techniques used by journalists. *Occasional.*

JOU 3313C COS-COMM 3(2,1)
Sports Reporting: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Covering sports for the media; issues, principles, and practices. *Occasional.*

JOU 3370 COS-COMM 3(3,0)
Social Media Writing for Magazines: PR: JOU 2100C or PUR 3100. Social media writing for traditional magazines and journalism-based 'zines. Students will learn about the practices of social media writing and create their own blogs based on journalism practices. *Fall.*

JOU 3510 COS-COMM 3(3,0)
Magazine Publishing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. *Fall.*

JOU 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. *Occasional.*

JOU 4181 COS-COMM 3(3,0)
Public Affairs Reporting: PR: Journalism major, and a minimum grade of "C" (2.0) in JOU 2100C and a minimum grade of "C" (2.0) in JOU 3184C or JOU 3101. Reporting on city, county and state government. *Occasional.*

JOU 4211C COS-COMM 3(2,1)
Informational Graphics: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. *Occasional.*

JOU 4213C COS-COMM 3(2,1)
Page Design: PR: Journalism major and JOU 3201. Designing news pages, including stories, headlines, and other content. *Fall, Spring.*

JOU 4224 COS-COMM 3(3,0)
Magazine Editing and Production: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. Magazine production, including writing and editing skills, and editorial requirements. *Spring.*

JOU 4300 COS-COMM 3(3,0)
Feature Writing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. Writing feature articles for newspapers and magazines. *Fall, Spring.*

JOU 4306C COS-COMM 3(1,2)
Critical Writing: PR: Journalism major or Magazine Journalism minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural works. *Occasional.*

JOU 4308 COS-COMM 3(3,0)
Freelance Writing: PR: Journalism major or Magazine Journalism minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. *Occasional.*

JOU 4340C COS-COMM 3(1,3)
Online Journalism I: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. The development, impact and problems of using the Internet as a journalistic tool. Write and design news for the Web. *Occasional.*



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JOU 4341C COS-COMM 3(1,3)
Online Journalism II: PR: JOU 4340C. Study, design, and development of online journalism materials. *Occasional.*

JOU 4342C COS-COMM 3(2,1)
Multimedia Journalism: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C and MMC 3200, and Senior standing. Combining print and electronic technologies to transmit information to the public. *Fall, Spring.*

JOU 4700 COS-COMM 3(3,0)
Journalism Ethics: PR: MMC 3200. Ethical problems, codes, and practices in newsrooms. *Fall, Spring.*

JPN 1120C CAH-LANG 4(3,1)
Elementary Japanese Language and Civilization I: Introduces the student to Japanese culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. *Fall.*

JPN 1121C CAH-LANG 4(3,1)
Elementary Japanese Language and Civilization II: PR: JPN 1120C or equivalent. Continuation of JPN 1120C. *Spring.*

JPN 2200 CAH-LANG 3(3,1)
Intermediate Japanese Language and Civilization I: PR: JPN 1121C or equivalent. This course aims to aid in acquiring and refining the acquisition of the four skills in modern Japanese: speaking, listening, reading, and writing. The emphasis is on accurate communication in Japanese. The culture of Japan will also be studied. *Fall.*

JPN 2201 CAH-LANG 3(3,1)
Intermediate Japanese Language and Civilization II: PR: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization. *Spring.*

JPN 2952 CAH-LANG 3(3,0)
Japanese Cultural Studies Abroad: PR: JPN 1120C and JPN 1121C. Japanese culture through key elements of Japanese life and comprehensive exposure of various aspects of their material cultural heritage. Conducted in Japanese. *Occasional.*

JPN 3760 CAH-LANG 3(3,0)
Advanced Japanese Conversation: PR: JPN 1121C or equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. *Occasional.*

JST 3005 CAH-JUD 3(3,0)
Tenets of Judaism: PR: ENC 1101 and ENC 1102. Values, practices, and beliefs that define Judaism. *Occasional.*

JST 3100 CAH-JUD 3(3,0)
The Hebrew Creative Mind: Survey of Hebrew Literature in Translation. A survey of the creative expressions of Hebrew civilization as found in the Hebrew Bible, Apocrypha and Pseudepigrapha, the Mishnah, and the Talmud, Medieval Hebrew Poetry and Prose. *Occasional.*

JST 3120 CAH-JUD 3(3,0)
Hebrew Scriptures: PR: ENC 1102, Junior standing. The Hebrew Bible (Old Testament, in translation) in historical, social, religious, cultural and literary contexts. *Occasional.*

JST 3121 CAH-JUD 3(3,0)
Classic Texts of Judaism: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Qumran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. *Occasional.*

JST 3125 CAH-JUD 3(3,0)
The Book of Job: PR: Jr standing, ENC 1102. A textual-thematic study of Book of Job in English translation, exploring the Book of Job as literature, theology and ethics. *Occasional.*

JST 3126 CAH-JUD 3(3,0)
Romantic Love in the Bible: PR: ENC 1102, Junior standing. The dimensions of romantic love in the Hebrew Bible, focusing on the depiction of human feelings of love and relationship; the nature of man-woman interactions in ancient Israel. *Occasional.*

JST 3144 CAH-JUD 3(3,0)
Dead Sea Scrolls: PR: Junior standing or C.I. The Dead Sea Scrolls, their literary and historical context, and significance. *Occasional.*

JST 3190 CAH-JUD 3(3,0)
The Biblical Prophets: PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. *Occasional.*

JST 3210 CAH-JUD 3(3,0)
Kabbalah: Jewish Mysticism: PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. *Occasional.*

JST 3312 CAH-JUD 3(3,0)
Identity and Genre: PR: ENC 1102 or C.I. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. *Occasional.*

JST 3401 CAH-JUD 3(3,0)
Jewish People in Antiquity: PR: ENC 1102. History and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. *Fall.*

JST 3402 CAH-JUD 3(3,0)
Wanderings: The Jewish People in Dispersion: PR: ENC 1102. The life and history of the Jews in the medieval and modern worlds. *Spring.*

JST 3415 CAH-JUD 3(3,0)
American Jewish History: PR: ENC 1102. Jewish presence in America and its influence on and contribution to American life and culture. *Occasional.*

JST 3417 CAH-JUD 3(3,0)
Sephardi Jews: History, Culture, and Folklore: PR: ENC 1102. Study of Sephardi Jews (Jews originated from Spain) as dispersed in Europe and the Middle East following the Expulsion from Spain in 1492. *Even Spring.*

JST 3424 CAH-JUD 3(3,0)
Biblical Archaeology: PR: ENC 1102. Examines archaeological excavations in Israel and the ancient Near East to shed light on events and stories recorded in the Bible. *Occasional.*

JST 3450 CAH-JUD 3(3,0)
Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel. *Occasional.*

JST 3481 CAH-JUD 3(3,0)
20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Soloveichik, within the historical context of European immigration to the U.S. *Occasional.*

JST 3510 CAH-JUD 3(3,0)
Notable Women in Jewish History: PR: ENC 1102 or C.I. Historical and cultural role of exceptional women in Judaism. *Occasional.*

JST 3550 CAH-JUD 3(3,0)
Introduction of Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). *Occasional.*

JST 3551 CAH-JUD 3(3,0)
The Holy and the Profane: The Introduction of Secularism into Modern Judaism: PR: ENC 1102 or JST 3401 or JST 3402. Examines cultural, religious, and social processes from traditional Judaism to the beginning of secularism in 18th-19th century European Jewry by studying Hebrew & Jewish Enlightenment. *Occasional.*

JST 3620 CAH-JUD 3(3,0)
Contemporary Jewish Ethics and Morality: PR: ENC 1102. Moral concerns using the resources of the classical Judaic tradition. *Occasional.*

JST 3701 CAH-JUD 3(3,0)
History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. *Occasional.*

JST 3751 CAH-JUD 3(3,0)
Literature of the Holocaust: A study of the traumatic experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew Literature. *Occasional.*

JST 3803 CAH-JUD 3(3,0)
The Israeli Experience in Short Stories: PR: ENC 1102. The Israeli experience in contemporary short stories. Themes include Judaism - Past & Present; War & Peace; Society; the Holocaust; the Kibbutz and Israeli reality. *Occasional.*

JST 3810 CAH-JUD 3(3,0)
The Jewish National Movement and Roots of Zionism: Roots of Zionism and Jewish nationalism and their relationship to modern anti-semitism, through analysis of European Jewish history and society. *Occasional.*

JST 3820 CAH-JUD 3(3,0)
Modern Israeli Culture: PR: ENC 1102. Development of the State of Israel: Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. *Occasional.*

JST 3821 CAH-JUD 3(3,0)
Building a Nation - the Challenges to and Accomplishments of the State of Israel: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Development of Israel as a nation, including elements of nation building, the role of religion, culture, science, hi-tech and higher education. *Occasional.*

LAE 3414 ED-TL&L 3(3,0)
Literature for Children: PR: Admission to Undergraduate Elementary Education Program or C.I. Criteria for analysis and evaluation of children's literature in terms of interests, needs, and abilities of children. *Fall, Spring.*

LAE 4314 ED-TL&L 3(3,0)
Language Arts in the Elementary School: PR: EDG 4410 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction. *Fall, Spring.*

LAE 4342 ED-TL&L 3(3,0)
Programs in Teaching Language and Composition: PR: EDG 4410; CR: LAE 4360 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students. *Fall.*

LAE 4360 ED-TL&L 3(3,0)
English Instructional Analysis: PR: EDG 4410, EDF 4467, TSL 4080, and LAE 4464. CR: LAE 4342 and LAE 3940. Course objectives for a school curriculum and methods and materials which have special application for teaching English at the middle grades and high school. *Fall, Spring.*

LAE 4361 ED-TL&L 3(3,0)
Literacy Strategies for Middle and High School: PR: EDG 4410 or C.I. Theory, teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading. *Fall, Odd Spring.*

LAE 4464 ED-TL&L 3(3,0)
Survey of Adolescent Literature: PR: ENC 1101 and admission to the college. This course is designed to explore adolescent/young adult literature from an educational and historical perspective. *Spring.*



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LAE 5195 ED-TL&L 3(3,0)
CFWP Teacher Consultant: PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing inservice components to public schools. *Occasional.*

LAE 5295 ED-TL&L 1-3(1-3,0)
Writing Workshop: PR: C.I. Students will engage in exploration and practice of effective writing strategies. (May be repeated up to 3 semester hours.) May be repeated for credit. *Occasional.*

LAE 5319 ED-TL&L 3(3,0)
Methods of Elementary School Language Arts: PR: Graduate standing. Principles, procedures, organization and current practices in reading, writing, listening, and talking. *Fall.*

LAE 5337 ED-TL&L 3(3,0)
Literacy Strategies for Middle and Secondary Teaching: PR: EDG 6415 or C.I. Designed to assist teachers and graduate students in understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. *Fall, Spring.*

LAE 5338 ED-TL&L 3(3,0)
Teaching Writing in Middle and High School: PR: EDG 6415 or C.I. Techniques and methods in teaching dialects, semantics, and the various grammars within the context of writing. *Fall, Spring.*

LAE 5346 ED-TL&L 3(3,0)
Methods of Teaching English Language Arts: PR: EDG 6415 and TSL 5085 or CI or admission to Initial Teacher Professional Preparation certificate. Designed for alternative certification and Masters of Arts students to explore the strands, methods and materials related to school curriculum in teaching English. *Fall, Spring.*

LAE 5367 CAH-ENG 3(3,0)
English Composition and Literature for Teachers of Advanced Placement: PR: Graduate status or senior standing, and C.I. A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. *Occasional.*

LAE 5415 ED-TL&L 3(3,0)
Children's Literature in Elementary Education: Survey of children's literature: criteria for selection according to literary elements and child development needs. Methods for presenting to children; integrating literature with elementary curricula. *Spring.*

LAE 5465 ED-TL&L 3(3,0)
Literature for Adolescents: PR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. *Spring.*

LAE 5495 ED-TL&L 3(3,0)
Assessing Writing: PR: C.I. Students will explore a variety of strategies for assessing students' writing including holistic scoring, primary trait scoring, and portfolio assessment. *Spring.*

LAH 3130 CAH-HIST 3(3,0)
Latin American History I: PR: EUH 2000 and 2001 or C.I. The Colonial period. *Occasional.*

LAH 3200 CAH-HIST 3(3,0)
Modern Latin America: PR: WOH 2022. Investigates the broader themes of Latin American history from independence to the present. *Occasional.*

LAH 3400 CAH-HIST 3(3,0)
History of Mexico and Central America: PR: EUH 2000 and 2001 or C.I. A survey of Mexican and Central American history from Pre-Columbian times to the present. *Occasional.*

LAH 3470 CAH-HIST 3(3,0)
History of the Caribbean: PR: EUH 2000 and 2001 or C.I. History of Cuba, Puerto Rico, Dominican Republic, and Haiti from Pre-Columbian times to the present. *Occasional.*

LAH 4136 CAH-HIST 3(3,0)
Colonial Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Spanish Colonial Florida until 1821. *Odd Fall.*

LAH 4461 CAH-HIST 3(3,0)
History of Puerto Rico: PR: Any two of the following: AMH 2010, AMH 2020, WOH 2012, or WOH 2022. History of Puerto Rico from pre-Columbian era to present. *Occasional.*

LAH 4480 CAH-HIST 3(3,0)
History of Cuba: PR: Any two of the following: AMH 2010, AMH 2020, WOH 2012, or WOH 2022. History of Cuba from pre-Columbian era to present. *Occasional.*

LAH 4503 CAH-HIST 3(3,0)
History of South America: PR: WOH 2022 or C.I. History of South America by focusing on themes of economic, social, and cultural history in the 19th and 20th centuries. *Occasional.*

LAH 4512 CAH-HIST 3(3,0)
Modern Argentina: PR: WOH 2022. Examines the economic, social, and cultural history of Argentina. *Occasional.*

LAH 4630 CAH-HIST 3(3,0)
History of Modern Brazil: PR: WOH 2022 or C.I. Major themes of the history of modern Brazil (ca. 1750-present). *Occasional.*

LAH 4742 CAH-HIST 3(3,0)
The Mexican Revolution: PR: AMH 2020 or C.I. Political and social history of Mexico since 1910 and domination of one party rule over 70 years. *Occasional.*

LAH 4780 CAH-HIST 3(3,0)
Poverty and Development in Latin America: PR: WOH 2022. Examines the historical reasons for poverty and inequality in 20th century Latin America. *Occasional.*

LAH 5713 CAH-HIST 3(3,0)
Colloquium in U.S.-Latin American Relations: PR: Graduate status or senior standing or C.I. The course will analyze U.S.-Latin American relations from an historical perspective. It will be presented through readings and discussion of selected materials. *Occasional.*

LAH 5920 CAH-HIST 3(3,0)
Colloquium in Latin American History: PR: Graduate standing or C.I. Examines the major themes and historiography of recent works on Latin American history. May be used in the degree program a maximum of 2 times only when course content is different. *Occasional.*

LAS 3001 CAH-LAS 3(3,0)
Topics in Latin American Studies: PR: SPN 1121C or SPN 2200 or equivalent or C.I. Contemporary issues in Latin America including, among others, transformational events in culture, politics, education, and business. *Fall, Spring.*

LAS 3101 CAH-LAS 3(3,0)
Latin American Popular Culture: PR: SPN 1120C and CR: SPN 1121C. Examines folklore and digital media of Latin American culture with a special focus on Mexico, Puerto Rico, and Peru. *Occasional.*

LAS 4023 CAH-AAS 3(3,0)
African Caribbean Experience: PR: ENC 1102 or C.I. Interdisciplinary study of the evolution of African Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. *Occasional.*

LAT 1120C CAH-LANG 4(3,1)
Elementary Latin Language and Civilization I: Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. *Fall.*

LDR 2001 UGST-INTERDISC 2(2,0)
Foundations of Leadership: PR: Student enrolled in LEAD Scholars, Leadership Studies minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. *Fall.*

LDR 2002 UGST-INTERDISC 2(2,0)
Intermediate Foundations of Leadership: PR: LDR 2001. Intermediate study of leadership practices as related to translating a leadership vision into organizational effectiveness. Builds on the theories in the prerequisite Foundations of Leadership course. *Spring.*

LDR 2262 UGST-INTERDISC 1(0,1)
Focused Volunteer Community Service: Students will engage in volunteer experiences and reflect upon the value of those experiences. Graded S/U. *Fall, Spring.*

LDR 3215 UGST-INTERDISC 2(2,0)
Leadership Through Service: An Advanced Leadership Experience: PR: LDR 2001 and LDR 2002. Theories, processes, and leadership role in social change will be explored, contemporary leadership theories and practices related to citizenship and civic engagement will be studied, and leadership will be practiced in various settings. *Fall.*

LDR 3950 UGST-INTERDISC 2(2,0)
Leadership in Action: Capstone Experience for LEAD Scholars: PR: LDR 3215. Leadership issues and theories, including related principles and practices. Students will develop a professional portfolio, reflect on their course of study, practice public speaking, and articulate their leadership philosophy. *Spring.*

LEI 4266 ED-CFCS 3(1,2)
Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the "adventure activity curriculum," camping, water activities, fishing, orienteering, hiking. *Occasional.*

LIN 3010 CAH-ENG 3(3,0)
Principles of Linguistics: PR: Grade of C (2.0) or better required in ENC 1102. An overview of the modern linguist's approach to language. Analytic methods of phonology, morphology, syntax. Brief systematic survey of dialectology, language acquisition, and semantics. *Occasional.*

LIN 3673 CAH-WRITE 3(3,0)
Grammar & Advanced Prose Style: PR: ENC 1102. Build on fundamental principles of grammatical correctness by learning and practicing the techniques that today's expert writers use to increase sentence clarity and elegance. *Occasional.*

LIN 3713 HPA-COM SC&DIS 3(3,0)
Language Science: PR: or CR: SPA 3471. Language components, models of language production and comprehension, and theories of language development. *Fall, Spring.*

LIN 3716 HPA-COM SC&DIS 3(3,0)
Language Development: PR: LIN 3713; CR: LIN 3716L. Spoken and written language development from infancy to adulthood. *Fall, Spring.*

LIN 3716L HPA-COM SC&DIS 2(0,2)
Language Development Lab: PR: LIN 3713; CR: LIN 3716. Procedures for sampling, analyzing, and describing language in children and adolescents. *Fall, Spring.*

LIN 3717 HPA-COM SC&DIS 3(3,0)
Language Development: 9 - 18 Years: PR: LIN 3716. Study of the language acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. *Fall, Spring.*

LIN 4105 CAH-ENG 3(3,0)
History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. *Fall, Spring.*

LIN 4600 CAH-WRITE 3(3,0)
Language and Society: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines language and society, including the relationship of sociolinguistic variations to identity and culture. *Occasional.*

LIN 4615 CAH-ENG 3(3,0)
African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinesics, proxemics, paralinguistics, and gender roles. *Occasional.*



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LIN 4643 CAH-ENG 3(3,0)
Cross Cultural Communication: PR: Junior standing or C.I., and C (2.0) or better required in ENC 1102. Styles of spoken, written, and nonverbal communication of selected cultural groups. *Occasional.*

LIN 4643H CAH-ENG 3(3,0)
Honors Cross-Cultural Communication: PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors level content. *Occasional.*

LIN 4660 CAH-ENG 3(3,0)
Linguistics and Literature: PR: Grade of C (2.0) or better required in LIN 3010 or C.I. Language study as an aid to understanding literature. *Occasional.*

LIN 4680 CAH-ENG 3(3,0)
Modern English Grammar: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. *Spring.*

LIN 4711 HPA-COM SC&DIS 3(3,0)
Language Analysis: PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing, and describing language across the lifespan. *Fall, Spring.*

LIN 4711L HPA-COM SC&DIS 1(0,1)
Language Analysis Lab: PR: LIN 3716 and LIN 3717. CR: LIN 4711. Introduction to procedures for sampling, analyzing and describing language samples across the lifespan. Graded S/U. *Fall, Spring.*

LIN 4801 CAH-ENG 3(3,0)
Language and Meaning: PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. *Occasional.*

LIN 5137 CAH-ENG 3(3,0)
Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. *Occasional.*

LIN 5675 CAH-ENG 3(3,0)
English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. *Occasional.*

LIT 2110 CAH-ENG 3(3,0)
World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. *Fall, Spring.*

LIT 2120 CAH-ENG 3(3,0)
World Literature II: PR: ENC 1102. Readings from Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. *Fall, Spring.*

LIT 3082 CAH-ENG 3(3,0)
Continental European Fiction Since 1900: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. *Occasional.*

LIT 3192 CAH-ENG 3(3,0)
Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; in English. *Occasional.*

LIT 3192H CAH-ENG 3(3,0)
Honors Caribbean Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Honors content. *Occasional.*

LIT 3202 CAH-ENG 3(3,0)
Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. *Occasional.*

LIT 3206 CAH-ENG 3(3,0)
Place and Space in Literature: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Analysis of how authors develop place and space and how this creates meaning in texts. *Occasional.*

LIT 3313 CAH-ENG 3(3,0)
Science Fiction: PR: ENC 1102. An investigation of science fiction as a literary form, together with selected readings. *Occasional.*

LIT 3313H CAH-ENG 3(3,0)
Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. *Occasional.*

LIT 3368 CAH-ENG 3(3,0)
Magical Realism in Literature: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Magical realism in literature, including consideration of its popularity, development, and treatment in various cultural contexts. *Occasional.*

LIT 3381 CAH-ENG 3(3,0)
Women Writers of Color: PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. *Occasional.*

LIT 3383 CAH-ENG 3(3,0)
Women in Literature: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. *Occasional.*

LIT 3383H CAH-ENG 3(3,0)
Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors content. *Occasional.*

LIT 3394 CAH-ENG 3(3,0)
Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. *Occasional.*

LIT 3394H CAH-ENG 3(3,0)
Honors Literature of AIDS: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS: Essays, short stories, plays, poetry, diaries, and novels. Honors content. *Occasional.*

LIT 3437 CAH-ENG 3(3,0)
International Environmental Justice Literature: PR: ENC 1102. Literary and creative works from different genres and international authors addressing issues and stories related to environmental justice themes, such as toxics and land use. *Occasional.*

LIT 3482 CAH-ENG 3(3,0)
Literature & Popular Culture: PR: ENC 1102. Analysis of media to determine popular values in the formation of popular cultural perceptions. *Occasional.*

LIT 3482H CAH-ENG 3(3,0)
Honors Literature & Popular Culture: PR: Consent of Honors. Analysis of media to determine popular values in the formation of popular cultural perceptions. With Honors Content. *Occasional.*

LIT 3605 CAH-ENG 3(3,0)
Literature and War: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Varied representations of war in literature. *Occasional.*

LIT 3714 CAH-ENG 3(3,0)
Literary Modernism: PR: ENC 1102. Examines a specific period, a literary movement, and a set of aesthetic/formal practices applied to poetry, novels, essays, and manifestos. *Occasional.*

LIT 3823 CAH-ENG 3(3,0)
Hispanic Women Writers: PR: ENC 1102. Hispanic women writers in a variety of genres. May be repeated for credit. *Occasional.*

LIT 3833 CAH-ENG 3(3,0)
Modern Asian Literature: PR: ENC 1102. Asian literatures in different genres translated into English or written in English from the modern period. Various countries emphasized in different iterations. *Occasional.*

LIT 3834 CAH-ENG 3(3,0)
Chinese Poetry in Translation: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Chinese poetry in English translation, either as a survey or with focus on particular periods, movements, or styles. *Occasional.*

LIT 3835 CAH-ENG 3(3,0)
Translated Modern Chinese Novels: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Chinese novels in English translation from the modern and contemporary periods. *Occasional.*

LIT 3905 CAH-ENG 3(3,0)
Directed experience in Literature: PR: ENC 1102, C.I. Individualized topics of study and/or research in literature with personalized faculty direction. May be repeated for credit. *Occasional.*

LIT 3931 CAH-ENG 3(3,0)
Topics in World Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Themes, modes, and genres from literature outside of the U.S. *Occasional.*

LIT 3932 CAH-ENG 3(3,0)
Topics in Popular Fiction: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Examines genres in popular fiction such as the western, romance, detective, fantasy, horror, or mystery. *Occasional.*

LIT 3933 CAH-ENG 3(3,0)
Literature and Law: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Reading, analysis, and discussion of law, crime, and punishment in literature from historical or contemporary perspectives. May be used in the degree program a maximum of 2 times only when course content is different. *Occasional.*

LIT 3933H CAH-ENG 3(3,0)
Honors Literature and Law: PR: Consent of Honors. Reading, analysis, and discussion of law, crime, and punishment in literature from historical or contemporary perspectives. With Honors Content. *Occasional.*

LIT 4043 CAH-ENG 3(3,0)
Modern Drama As Literature: PR: Grade of C (2.0) or better required in ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. *Occasional.*

LIT 4184 CAH-ENG 3(3,0)
Irish Literature: PR: Grade of C (2.0) or better required in ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. *Occasional.*

LIT 4233 CAH-ENG 3(3,0)
Postcolonial Theory and Literature: PR: Grade of C (2.0) or better required in ENG 3014. Focus on the nature of colonial discourse, the strength of postcolonial rewritings, and the relationship of postcolonial theory to other theories. *Occasional.*

LIT 4244 CAH-ENG 3(3,0)
World Authors: PR: ENG 3014. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. *Occasional.*

LIT 4303 CAH-ENG 3(3,0)
Post-World War II Fiction: PR: Grade of C (2.0) or better required in ENG 3014. An investigation of various modes of reality in the works of significant postmodernist world authors, crossing cultural boundaries. *Occasional.*

LIT 4374 CAH-ENG 3(3,0)
Literature of the Bible: PR: Grade of C (2.0) or better required in ENG 3014. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. *Occasional.*



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LIT 4374H CAH-ENG 3(3,0)
Honors Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. *Occasional.*

LIT 4433 CAH-ENG 3(3,0)
Literature of Science and Technology: PR: ENC 1102 and Junior Standing or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. *Fall.*

LIT 4554 CAH-ENG 3(3,0)
Advanced Feminist Theories: PR: Grade of C (2.0) or better required in ENC 1102, WST 3015 or ENG 3014. An advanced exploration of feminist critical theories and practices. *Occasional.*

LIT 5387 CAH-ENG 3(3,0)
Captives, Housewives, and Coquettes: PR: Graduate status or senior standing or C.I. Course considers early American women's literature from 17th to 19th centuries. *Occasional.*

LIT 5389 CAH-ENG 3(3,0)
Studies in Gender and Fiction Writing: PR: Graduate status or senior standing or C.I. Graduate study of gender's implications for teaching and practice of fiction writing. *Occasional.*

LIT 5556 CAH-ENG 3(3,0)
Advanced Feminist Theories: PR: Graduate status or senior standing or C.I. Graduate level Feminist Theories from "French Feminism" to "Critical Race Theories". *Occasional.*

MAA 4226 COS-MATH 4(4,0)
Advanced Calculus I: PR: MHF 3302, MAC 2313 and MAS 3106, or C.I. Limits, sequences, and continuity, differentiation and integration. Derivations of integrals. Infinite series and convergence. The Balzano-Weierstrass Theorem and the Heine-Borel Theorem. Extensions in Euclidean n-space. *Fall.*

MAA 4227 COS-MATH 3(3,0)
Advanced Calculus II: PR: MAA 4226 or C.I. Continuation of MAA 4226. *Spring.*

MAA 4402 COS-MATH 3(3,0)
Introduction to Complex Variables: PR: MAC 2313 and MAP 2302 and MHF 3302, or C.I. Analytic functions and complex integration. Residue integration, Taylor and Laurent series, conformal mapping and the application of complex analysis to Potential Theory. *Spring.*

MAA 4934 COS-MATH 3(3,0)
Topics in Analysis: PR: MAS 3106 and MAA 4226, or C.I. Advanced topics in analysis. Selection of topics will vary. May be used in the degree program a maximum of 3 times. *Occasional.*

MAA 5210 COS-MATH 3(3,0)
Topics in Advanced Calculus: PR: MAS 3105, MAP 2302, or equivalent or C.I. Real numbers, epsilon-delta language, limits, continuity, integration, differentiation, Taylor's theorem, series, uniform convergence, inverse and implicit function theorems. *Fall.*

MAA 5228 COS-MATH 3(3,0)
Analysis I: PR: MAS 3106 or C.I. Real numbers, limits, differentiation, Riemann integrals, Riemann-Stieltjes integrals, calculus in $\mathbb{R}^n$, metric and normed spaces, contraction mapping theorem, inverse and implicit functions. *Fall.*

MAC 1105C COS-MATH 3(1,3)
College Algebra: PR: Appropriate score on the UCF Math Placement exam, or MAT 1033C with a "C" (2.0) or better, or C.I. Inequalities. High degree polynomials. Graphs, rational, logarithmic, and exponential functions. Systems of equations. The "NC" grading policy applies to this course. *Fall, Spring.*

MAC 1105H COS-MATH 3(3,0)
Honors College Algebra: PR: Appropriate score on the UCF Math Placement Exam, or Intermediate algebra or 2 years of high school algebra, and permission of Honors. Analysis of functions (including polynomial, rational, exponential, logarithmic), analysis of conic sections, analysis of systems of linear equations, sequences and series, mathematical induction, and the binomial theorem. The "NC" grading policy applies to this course. *Occasional.*

MAC 1114C COS-MATH 3(1,3)
College Trigonometry: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a "C" (2.0) or higher, or C.I. The circle arc length, identities, trigonometric functions, inverse functions, applications to simple harmonic motion, function of angles, complete development of triangle solving. Prepares students for upper level mathematics. The "NC" grading policy applies to this course. *Fall, Spring.*

MAC 1140C COS-MATH 3(1,3)
Pre-Calculus Algebra: PR: Appropriate score on the Math Placement Exam, or MAC 1105C with a "C" (2.0) or better, or C.I. Properties and graphs of polynomials, rational, exponential and logarithmic functions, matrices, sequences and series, conics, induction, binomial theorem. Introduction to limits. Prepares students for upper level mathematics. The "NC" grading policy applies to this course. *Fall, Spring.*

MAC 1140H COS-MATH 3(3,0)
Honors Pre-Calculus Algebra: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a C (2.0) or better, and permission of Honors. Polynomial, rational, exponential, logarithmic, and piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The "NC" grading policy applies to this course. *Occasional.*

MAC 2147 COS-MATH 5(5,0)
Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical backgrounds who do not want to go directly into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. *Even Fall, Spring.*

MAC 2233 COS-MATH 3(3,0)
Concepts of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better, or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311C. The "NC" grading policy applies to this course. *Occasional.*

MAC 2253 COS-MATH 3(3,0)
Applied Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1114C with a C (2.0) or better, or C.I. Differential and integral calculus. Applications to engineering technology. Not open to students with credit in MAC 2233 or MAC 2311C. The "NC" grading policy applies to this course. *Fall, Spring.*

MAC 2311C COS-MATH 4(3,2)
Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1114C with a grade of "C" (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and "C" (2.0) or better in MAC 1114 or MAC 1140C, or MAC 2147 or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. Not open to students with credit in MAC 2241, The "NC" grading policy applies to this course. *Fall, Spring.*

MAC 2311H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1114C with a grade of C (2.0) or better, or score of 3 or better on the Calculus AB Advanced Placement Exam, and consent of Honors. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. The "NC" grading policy applies to this course. With Honors content. *Fall, Spring.*

MAC 2312 COS-MATH 4(4,0)
Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, or C.I. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. *Fall, Spring.*

MAC 2312H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, and permission of Honors. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. With Honors content. *Fall, Spring.*

MAC 2313 COS-MATH 4(4,0)
Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. *Fall, Spring.*

MAC 2313H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, and permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. With Honors content. *Spring.*

MAD 2104 COS-MATH 3(3,0)
Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. *Fall, Spring.*

MAD 4203 COS-MATH 3(3,0)
Introduction to Combinatorics: PR: MAC 2312, and either MHF 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations, multisets; recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. *Fall.*

MAD 4301 COS-MATH 3(3,0)
Introduction to Graph Theory: PR: Either MHF 3302 or COT 3100C, or C.I. Graph theory; isomorphism, connectivity; traversability, matchings, factorizations; planarity, colorings, and Ramsey number. *Spring.*

MAD 4934 COS-MATH 3(3,0)
Topics in Discrete Mathematics: PR: MAS 3106 and either MAD 4203 or MAD 4301, or C.I. Advanced topics in discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. *Occasional.*

MAD 5205 COS-MATH 3(3,0)
Combinatorics and Graph Theory II: PR: MAD 4203, graduate status or senior standing, or C.I. Polya's theory of counting; Latin squares and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications. *Odd Spring.*



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MAE 2801 ED-TL&L 4(3,1)
Elementary School Mathematics: PR: MAC 1105C or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. *Fall, Spring.*

MAE 3310 ED-TL&L 3(3,0)
Elementary Mathematics for Teaching I: PR: Junior standing or C.I. This course will address pedagogical content knowledge for teaching whole number concepts and operations, integer concepts, geometry and algebraic reasoning. *Fall, Spring.*

MAE 3311 ED-TL&L 3(3,0)
Elementary Mathematics for Teaching II: PR: MAE 3310 with a "C" (2.0) or better. This course will address pedagogical content knowledge for teaching rational number concepts and operations, measurement, and algebraic reasoning. *Fall, Spring.*

MAE 4300 ED-CFCS 3(3,0)
Math Curriculum and Assessment in Early Childhood: PR: EEC 4661, EEC 4207; CR: EEC 3940. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. *Fall.*

MAE 4326 ED-TL&L 3(3,0)
How Children Learn Mathematics: PR: MAE 3310 and MAE 3311. CR: EDE 3942. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. *Fall, Spring.* M&S fee \$10.00

MAE 4360 ED-TL&L 4(3,2)
Mathematics Instructional Analysis: PR: EDG 4410 and MAE 4634. CR: MAE 3940. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. *Fall.*

MAE 4634 ED-TL&L 3(2,1)
Programs in Teaching of Mathematics: PR: C.I. A consideration of special programs, strategies, and materials. Emphasis on individual needs of students. *Spring.*

MAE 5327 ED-TL&L 3(3,0)
Teaching Middle School Mathematics: PR: EDG 6415 and TSL 5085 or admission to Initial Teacher Professional Preparation certificate. Students will develop skills in planning and delivering mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESOL, and manipulatives is considered. *Occasional.*

MAE 5336 ED-TL&L 3(3,0)
Current Methods in Secondary School Mathematics: PR: EDG 6415, TSL 5085, or admission to MED program or Initial Teacher Professional Preparation certificate. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. *Occasional.*

MAE 5935 COS-MATH 3(3,0)
Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. *Even Fall.*

MAN 2021 BA-MAN 3(3,0)
Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. *Occasional.*

MAN 3025 BA-MAN 4(4,0)
Management of Organizations: PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. *Fall, Spring.*

MAN 3025H BA-MAN 4(4,0)
Honors Management of Organizations: PR: Junior standing, approved major or minor, and consent of Honors. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior, and control. Applicable to honors students. *Spring.*

MAN 3301 BA-MAN 3(3,0)
Management of Human Resources: PR: Junior standing and approved major or minor; MAN 3025. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. *Fall, Spring.*

MAN 3302 BA-MAN 3(3,0)
Essentials of Human Resource Management for Non-Business Majors: PR: MAN 3025. Provides non-business majors with a review of basic human resource management practices and policies and the organizational role of the HRM function. *Occasional.*

MAN 3354 BA-MAN 3(3,0)
Employee Training for Non-Business Majors: PR: MAN 3025. Employee training needs and practices as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. *Occasional.*

MAN 3520 BA-MAN 3(3,0)
Quality & Productivity Management: PR: GEB 3031, MAN 3025. Management Majors and Minors and students whose major requires it. Principles and theories of quality and operations management in manufacturing and service organizations. *Occasional.*

MAN 4029 BA-MAN 3(3,0)
Service Organization Management: PR: Management major, MAN 3025 and MAN 3520. Study of the special characteristics, problems, and methods for managing service-oriented organizations. *Occasional.*

MAN 4101 BA-MAN 3(3,0)
Human Relations in Management: PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. *Fall, Spring.*

MAN 4240 BA-MAN 3(3,0)
Organizations: Theory and Behavior: PR: Management major, MAN 3025. A course providing a micro/macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. *Fall, Spring.*

MAN 4320 BA-MAN 3(3,0)
Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. *Fall, Spring.*

MAN 4330 BA-MAN 3(3,0)
Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. *Fall, Odd Spring.*

MAN 4350 BA-MAN 3(3,0)
Training and Development: PR: Management major, MAN 3301. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. *Fall, Spring.*

MAN 4401 BA-MAN 3(3,0)
Labor Relations Management: PR: Management major, Junior standing, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieve labor-management cooperation. *Occasional.*

MAN 4441 BA-MAN 3(3,0)
Conflict Resolution and Negotiation: PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. *Occasional.*

MAN 4521 BA-MAN 3(3,0)
Production Planning and Control: PR: Management major, MAN 3520. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. *Occasional.*

MAN 4583 BA-MAN 3(3,0)
Project Management: PR: GEB 3031 and MAN 3025. Foundations of project management in assorted business organizations (large/small; manufacturing/service; for profit/not for profit). Covers all project phases from initiation to termination. *Occasional.*

MAN 4600 BA-MAN 3(3,0)
International Management: PR: Approved major or minor, MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. *Fall, Spring.*

MAN 4701 BA-MAN 3(3,0)
Business Ethics and Society: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today's complex political, social, economic and technological environment. *Fall, Spring.*

MAN 4720 BA-MAN 4(4,0)
Strategic Management: PR: MAN 3025, MAR 3023, FIN 3403C and GEB 3031. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. *Fall, Spring.*

MAN 4802 BA-MAN 3(3,0)
New Venture and Small Business Management: PR: GEB 3113 or (MAN 3025 & FIN 3403C). Legal, organization design, supply chain, and human resource challenges that affect small business success and growth. *Fall, Spring.*

MAN 4941 BA-MAN 3(0,3)
Management Internship: PR: Management major, application approval, consent of department chair. Provides student with supervised, management-related work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. *Occasional.*

MAN 5037 BA-MAN 1.5(1.5,0)
Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. *Fall, Spring.*

MAN 5050 BA-MAN 2(2,0)
Management Concepts: PR: Acceptance in MBA program. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. *Occasional.*

MAN 5867 BA-MAN 3(3,0)
Small Business Consulting: PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. *Occasional.*

MAP 2302 COS-MATH 3(3,0)
Ordinary Differential Equations I: PR: Grade of "C" (2.0) or better in MAC 2312; PR: or CR: MAC 2313; or C.I. Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. *Fall, Spring.*

MAP 2302H COS-MATH 3(3,0)
Honors Differential Equations: PR: Grade of "C" (2.0) or better in MAC 2312, and permission of Honors. Methods of solution for first order equations. Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines. *Occasional.*

MAP 3482H COS-MATH 3(3,0)
Honors Systems Modeling and Simulation: PR: Permission of Honors and MAC 2312. Population growth dynamics; spread of an epidemic; ecological predator-prey relationships; insulin and its use in the control of diabetes; economic systems. *Occasional.*



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MAP 3923 COS-MATH 1(1,0)
Frontiers in Mathematical Research: Colloquia and Public Talks: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MAP 4103 COS-MATH 3(3,0)
Mathematical Modeling I: PR: MAC 2313 and MAP 2302 and MAS 3105, or C.I. An introduction to the study of mathematical modeling. *Spring.*

MAP 4113 COS-MATH 3(3,0)
Probability, Random Processes and Applications: PR: MAC 2313. Elementary probability theory; modes of convergence; martingales, Gaussian, Wiener, and diffusion processes; Brownian motion; applications. *Occasional.*

MAP 4153 COS-MATH 3(3,0)
Vector and Tensor Analysis: PR: MAC 2313 and MAS 3105, or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. *Fall.*

MAP 4171 COS-MATH 3(3,0)
Optimization: PR: MAC 2313, MAP 2302, and MAS 3105, or C.I. Linear programming, dynamic programming, control theory, integer programming. *Occasional.*

MAP 4303 COS-MATH 3(3,0)
Ordinary Differential Equations II: PR: MAC 2313 and MAP 2302 and MAS 3105, or C.I. Systems of linear differential equations, introduction to numerical solutions, stability theory and phase plane analysis, an introduction to limit cycles, bifurcations and chaos, power series solutions of differential equations. *Occasional.*

MAP 4341 COS-MATH 3(3,0)
Introduction to Partial Differential Equations: PR: MAC 2313 and MAP 2302 and MAS 3105, or C.I. Introduction to second-order linear partial differential equations - heat, wave and Laplace equations, separation of variables in PDEs, Sturm-Liouville eigenvalue problems, Fourier series analysis and Green's functions, Laplace and Fourier transform methods. *Occasional.*

MAP 4371 COS-MATH 3(3,0)
Numerical Methods for Differential Equations: PR: MAC 2313, MAP 2302, MAS 3105, and COP 3223, or C.I. Numerical theory and practices used in solving ordinary differential equations and PDE. Covers Euler's method, trapezoidal rule, multi-step methods, Runge-Kutta, error control, finite differences, implicit and explicit schemes, iterative methods, and stability. *Fall.*

MAP 4384 COS-MATH 3(3,0)
Numerical Methods for Computational Sciences: PR: MAP 2302, MAS 3105, and COP 3223, or C.I. Theory of modern methods of numerical computation and numerical analysis in linear algebra and differential equations; non-linear optimization, finite element methods, adaptive quadrature. *Spring.*

MAP 4484 COS-MATH 3(3,0)
Mathematical Biology I: PR: MAP 2302 and MAS 3105, or C.I. Mathematical models of single populations, predator-prey systems, competition between species, host-parasite systems, epidemics, genetics, excitable systems. *Occasional.*

MAP 4494 COS-MATH 3(3,0)
Mathematical Biology II: PR: MAP 4484. Mathematics of permanence, persistence and stability of ecological communities; competition in special habitats; epidemics; immune system; optimal foraging; cancer modeling; physiological modeling; genetics; protein folding. *Occasional.*

MAP 4934 COS-MATH 3(3,0)
Topics in Applied Mathematics: PR: MAP 2302 and MAS 3105, or C.I. Advanced topics in applied mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. *Occasional.*

MAP 5117 COS-MATH 3(3,0)
Mathematical Modeling: PR: STA 4321, MAP 4303, graduate standing or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. *Even Fall.*

MAP 5336 COS-MATH 3(3,0)
Ordinary Differential Equations and Applications: PR: MAA 5228 or C.I. Existence and uniqueness of solutions of differential equations, systems of ordinary differential equations, autonomous systems, phase plane analysis, stability, bifurcations. *Spring.*

MAP 5426 COS-MATH 3(3,0)
Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence relations and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. *Occasional.*

MAP 5435 COS-MATH 3(3,0)
Advanced Mathematics for Engineers: PR: MAP 2302, and graduate status or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations, Fourier series, partial differential equations, numerical methods for differential equations, and applications to engineering. *Occasional.*

MAP 5514 COS-MATH 3(3,0)
Linear and Nonlinear Waves I: PR: MAP 2302, and graduate standing or senior standing, or C.I. Equations of motion in inviscid and viscous fluids, energy equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. *Occasional.*

MAP 5931 COS-MATH 1(1,0)
Research Seminar: PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary background and presenting current investigations. Different branches of mathematics will be presented for a sense of diversity. *Occasional.*

MAR 3023 BA-MAR 4(4,0)
Marketing: PR: Admission to UCF. Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. *Fall, Spring.*

MAR 3023H BA-MAR 4(4,0)
Honors Marketing: PR: Permission of Honors College. Honors introductory course in marketing. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control. *Fall.*

MAR 3203 BA-MAR 4(4,0)
Supply Chain and Operations Management: PR: Admission to College of Business or completion of ECO 3401 or completion of ECO 3411 or completion of MAC 1140C (or higher) and STA 2014C (or higher) with a grade of C (2.0) or higher. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information to meet customers' demands. *Fall, Spring.*

MAR 3203H BA-MAR 4(4,0)
Honors Supply Chain and Operations Management: PR: Consent of the Honors College. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information to meet customer's demands. *Fall.*

MAR 3323 BA-MAR 3(3,0)
Integrated Marketing Communication: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs. *Fall, Spring.*

MAR 3391 BA-MAR 3(3,0)
Professional Selling: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Written and verbal communications skills applied to marketing settings. A significant portion of the course is devoted to the study of professional selling. *Fall, Spring.*

MAR 3391H BA-MAR 3(3,0)
Honors Professional Selling: PR: MAR 3023 with a "C" (2.0) or better, and consent of Honors, or C.I. Applied written and verbal communication skills learned within the context of professional selling with honors content. *Spring.*

MAR 3403 BA-MAR 3(3,0)
Sales Force Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. *Fall, Spring.*

MAR 3503 BA-MAR 3(3,0)
Consumer Behavior: PR: MAR 3023 with a grade of C (2.0) or better and common program prerequisites and appropriate major or minor. End user and business customer buying behavior, building long-term customer relationships, segmentation of markets and positioning strategies. *Fall, Spring.*

MAR 3613 BA-MAR 3(3,0)
Marketing Analysis and Research: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor and one of the following: STA 3032 with a grade of C (2.0) or better or ECO 3411 with a grade of C (2.0) or better. Analytical tools and their application to marketing problems and decision making. Forecasting, financial analysis, and acquisition of primary data through market research are emphasized. *Fall, Spring.*

MAR 3641 BA-MAR 3(3,0)
Marketing Intelligence: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. *Fall, Spring.*

MAR 3721 BA-MAR 3(3,0)
Digital Media Marketing: PR: MAR 3023 with a grade of "C" (2.0) or better and completion of common program prerequisites and appropriate major or minor. Application of contemporary technology to marketing decision-making. *Occasional.*

MAR 3765 BA-MAR 3(3,0)
Entrepreneurial Marketing: PR: MAR 3023 with a grade of "C" (2.0) or better and completion of common program prerequisites and appropriate major or minor, or GEB 3113 and appropriate major or minor. Exploration of how marketing and entrepreneurship affect and are affected by one another. *Fall, Spring.*

MAR 4156 BA-MAR 3(3,0)
International Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Investigates strategy, policy and the variables in international marketing decisions. *Fall, Spring.*

MAR 4231 BA-MAR 3(3,0)
Retailing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. *Occasional.*

MAR 4413C BA-MAR 3(2,3)
Strategic Issues in Sales-Lecture: PR: Marketing major, admission to professional selling track, and completion of MAR 4415C with a "C" (2.0) or better. Advanced study of selected contemporary strategic issues in selling and sales management. *Spring.*

MAR 4415C BA-MAR 3(2,3)
Advanced Professional Selling: PR: Marketing major and admission to professional selling track. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. *Fall.*

MAR 4711 BA-MAR 3(3,0)
Sport Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to the sports and leisure industry. *Occasional.*



MAR 4712 BA-MAR 3(3,0)
Healthcare Marketing: PR: MAR 3023 with a grade of C (2.0) or better and common program prerequisites and appropriate major or minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. *Occasional.*

MAR 4715 BA-MAR 3(3,0)
Entertainment Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of marketing theory and tools to the marketing of products and services in the entertainment industry. *Occasional.*

MAR 4803 BA-MAR 3(3,0)
Marketing Management: PR: MAR 3503 and MAR 3613 each with a "C" (2.0) or better. Planning, organizing, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. *Fall, Spring.*

MAR 4804 BA-MAR 3(3,0)
Marketing Strategy: PR: MAR 4803 with a "C" (2.0) or better. Marketing problems are explored, with emphasis on strategy formulation and integrative marketing decision-making. *Fall, Spring.*

MAR 4841 BA-MAR 3(3,0)
Services Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Examination of marketing in services industries, with particular emphasis on unique aspects of services marketing, the service marketing mix, and the implementation of services strategies. *Fall, Spring.*

MAR 4934 BA-MAR 3(3,0)
Contemporary Marketing Topics in Florida: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate major or minor. Advanced study of marketing topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. *Occasional.*

MAR 4941 BA-MAR 3(3,0)
Marketing Internship: PR: Marketing major, application approval, consent of department chair. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. *Fall, Spring.*

MAS 3105 COS-MATH 4(4,0)
Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrices, determinants, vector spaces in R^n , linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms. *Fall, Spring.*

MAS 3105H COS-MATH 4(4,0)
Honors Matrix and Linear Algebra: PR: MAC 2312 and permission of Honors or C.I. Matrices, determinants, vector spaces in R^n , linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms; with Honors content. *Fall.*

MAS 3106 COS-MATH 4(4,0)
Linear Algebra: PR: MHF 3302 and MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. *Fall, Spring.*

MAS 3203 COS-MATH 3(3,0)
Introduction to Number Theory: PR: MHF 3302 or C.I. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. *Spring.*

MAS 4301 COS-MATH 3(3,0)
Abstract Algebra I: PR: MHF 3302 and MAS 3106, or C.I. Sets and mappings, groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, groups actions, the class equation, Sylow theorems, and rings. *Fall.*

MAS 4302 COS-MATH 3(3,0)
Abstract Algebra II: PR: MAS 4301 or C.I. Advanced topics in abstract algebra, including ring theory and field theory; introduction to Galois theory. *Spring.*

MAS 4934 COS-MATH 3(3,0)
Topics in Algebra: PR: MAS 3106 and MAS 4301, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. *Occasional.*

MAS 5145 COS-MATH 3(3,0)
Advanced Linear Algebra and Matrix Theory: PR: MAS 3106 or C.I. Linear spaces, subspaces, linear transformations, matrices, eigenvalues and eigenvectors, Jordan forms, positive definite matrices, bilinear and quadratic forms, functions of matrices. *Even Fall.*

MAS 5311 COS-MATH 3(3,0)
Algebra I: PR: MAS 4301 or graduate standing or C.I. Sets and categories, groups and groupoids, group actions, the class equation, Sylow theorems, Jordan-Holder Theorem, Rings, Modules, Complexes, Factorization, and Irreducibility. *Occasional.*

MAT 1033C COS-MATH 3(1,3)
Intermediate Algebra: Reinforcement and development of algebra skills. Operations with polynomial, rational expressions; radicals; rational exponents; linear and quadratic equations, linear inequalities, and applications. This course is a "bridge course" which may be applied towards a degree as elective credit. This course will not satisfy either the GEP or Gordon Rule. *Occasional.*

MAT 3937 COS-MATH 1(1,0)
Techniques of Problem Solving: PR: MAC 2311C and CR: MAC 2312; or C.I. Methods for solving problems in a wide variety of mathematical fields, with an emphasis on proper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. *Fall.*

MAT 5712 COS-MATH 3(3,0)
Scientific Computing: PR: MAC 2313, MAP 2302, MAS 3105, or C.I. Matlab fundamentals, computer arithmetic, nonlinear equations, polynomial interpolation, divided; differences, splines, curve fitting, least-squares method, numerical differentiation and integration. *Even Fall.*

MCB 1000 COM-M&M 3(3,0)
The Invisible World: Introduction to microbes, their beneficial and detrimental activities, and their importance to our everyday lives. *Fall.*

MCB 1310 COM-M&M 3(3,0)
Introduction to Biotechnology and Genetic Engineering: Introduction to theories, laws, principles, foundations, scientific methods of genetic engineering & biotechnology and their applications in agriculture, environment and human health. *Fall, Spring.*

MCB 2004C COM-M&M 4(3,2)
Microbiology for Health Professionals: PR: BSC 2010C, CHM 1032 or CHM 2045C. A survey of microbiology for the health professional. *Spring.* M&S fee \$53.00

MCB 3020C COM-M&M 5(3,4)
General Microbiology: PR: BSC 2010C, CHM 2046, or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structure and function, metabolism, growth, genetics, virology environmental control, ecology, pathogenicity, and laboratory techniques. *Fall, Spring.* M&S fee \$53.00

MCB 3020C COM-M&M 5(3,5)
Honors General Microbiology: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 3020C with enrichment and further development of analytical skills in a separate laboratory and discussion section. With Honors content. *Fall.* M&S fee \$53.00

MCB 3202 COM-M&M 3(3,0)
Principles of Infectious Disease: PR: MCB 3020C. Introduction to host-pathogen interactions and microbial pathogenesis, with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines and antimicrobials, and virulence mechanisms. *Occasional.*

MCB 3203 COM-M&M 3(3,0)
Pathogenic Microbiology: PR: MCB 3020C or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. *Spring.*

MCB 3203L COM-M&M 1(0,3)
Pathogenic Microbiology Lab: CR: MCB 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. *Spring.* M&S fee \$53.00

MCB 3316H COM-M&M 3(3,0)
Honors Biotechnology and Genetic Engineering Seminar: PR: Permission of Honors. Principles, applications, laws, ethics and impact on society of biotechnology and genetic engineering in agriculture, medicine, forestry, environment, computer/ industrial/ chemical engineering and business administration. *Occasional.*

MCB 4114C COM-M&M 4(3,3)
Determinative & Systemic Microbiology: PR: MCB 3020C, MCB 3203. Microbial classification taxonomic rules and nomenclature techniques for identification and interrelating the phyla and taxa of bacteria. *Occasional.*

MCB 4201 COM-M&M 3(3,0)
Microbial Stress Response: PR: MCB 3020C and PCB 3522. Examination of the molecular genetic mechanisms that bacterial and fungal pathogens use to adapt to changes in their environment. *Fall.*

MCB 4204 COM-M&M 3(3,0)
Cellular Microbiology: Host-Pathogen Interactions: PR: MCB 3020C, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. *Spring.*

MCB 4207 COM-M&M 3(3,0)
Infectious Processes: PR: MCB 3020C. The infectious process and the response of host cells and tissue to infection. *Fall.*

MCB 4276 COM-M&M 3(3,0)
Epidemiology of Infectious Diseases: PR: MCB 3020C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. *Spring.*

MCB 4312 COM-M&M 3(3,0)
Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. *Fall.*

MCB 4404 COM-M&M 3(3,0)
Bacterial Genetics and Physiology: PR: PCB 3522. Basic principles of microbial genetic analysis emphasizing how microbial genetic approaches are used to understand fundamental physiological processes in bacteria. *Spring.*

MCB 4410 COM-M&M 3(3,0)
Cellular Metabolism: PR: PCB 3522 or PCB 3023. Basic concepts of the mechanisms that define the functioning and regulation of prokaryotic and eukaryotic cell metabolism. *Fall.*

MCB 4414 COM-M&M 3(3,0)
Microbial Metabolism: PR: MCB 3020C, CR: BCH 4053. Interrelationship between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. *Fall, Spring.*

MCB 4503C COM-M&M 3(3,0)
Virology: PR: PCB 3522. Concepts of structure and function of viruses, virus-host interactions and viral, and related disease states. *Occasional.*

MCB 4603 COM-M&M 3(3,0)
Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. *Fall.*



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MCB 4720 COM-M&M 3(3,0)
Industrial Perspectives Seminar: PR: Biotechnology major and CR: MCB 3020C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. *Fall*.

MCB 4721C COM-M&M 4(2,4)
Methods in Biotechnology: PR: BSC 3403C. Fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. *Occasional*. M&S fee \$70.00

MCB 4920C COM-M&M 3(1,4)
Group-Effort Applied Research: PR: MCB 3020C and BSC 3403C. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on highly-parallel technical applications. May be used in the degree program a maximum of 2 times only when course content is different. *Occasional*.

MCB 5205 COM-M&M 3(3,0)
Infectious Processes: PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. *Fall*.

MCB 5208 COM-M&M 3(3,0)
Cellular Microbiology: Host-Pathogen Interactions: PR: Graduate standing, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. *Spring*.

MCB 5209 COM-M&M 3(3,0)
Microbial Stress Response: PR: Graduate standing or C.I. Examination of the molecular genetic mechanisms, bacterial and fungal pathogens used to adapt to changes in their environment. *Fall*.

MCB 5225 COM-M&M 3(3,0)
Molecular Biology of Disease: PR: Graduate standing or C.I. An in-depth study of the molecular biological mechanism of diseases in experimental animal models and human populations. *Occasional*.

MCB 5314 COM-M&M 1(1,0)
Industrial Perspectives Seminar: PR: Biotechnology MS students. Learning concepts of basic research and drug development in the pharmaceutical industry and technical presentation. May be used in the degree program a maximum of 2 times. *Fall*.

MCB 5415 COM-M&M 3(3,0)
Cellular Metabolism: PR: Graduate standing or C.I. Basic concepts of the mechanisms that define the functioning and regulation of prokaryotic and eukaryotic cell metabolism. *Fall*.

MCB 5505 COM-M&M 3(3,0)
Molecular Virology: PR: Graduate standing or C.I. An in-depth overview of the fundamental aspects and current concerns in modern virology including HIV, tumor viruses. Prion disease, virus-host interaction, genome replication and pathogenesis. *Occasional*.

MCB 5654 COM-M&M 3(3,0)
Applied Microbiology: PR: MCB 3020C or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics. *Occasional*.

MCB 5722C COM-M&M 4(2,4)
Methods in Biotechnology: PR: Graduate standing. A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. *Occasional*. M&S fee \$70.00

MCB 5932 COM-M&M VAR
Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. *Occasional*.

MET 2104 COS-PHYS 3(3,0)
The Earth's Climate: History, physics and dynamics of the Earth's climate. *Odd Spring*.

MGF 1106 COS-MATH 3(3,0)
Finite Mathematics: PR: Appropriate score on the UCF Math Placement test, or MAT 1033C with a "C" (2.0) or better, or C.I. Introduction to systematic counting, probability, geometry, statistics, sets and logic. This course is intended for students who are not planning to take upper level courses in mathematics. *Fall*.

MGF 1107 COS-MATH 3(3,0)
Explorations in Mathematics: PR: Appropriate score on the UCF Math Placement test, or MAT 1033C with a "C" (2.0) or better, or C.I. The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. This course is intended for students not planning to take upper level mathematics. *Fall, Spring*.

MHF 3302 COS-MATH 3(3,0)
Logic and Proof in Mathematics: PR: MAC 2311C. CR: MAC 2312. Basic mathematical logic. Methods of proof in mathematics. Application of proofs to elementary mathematical structures. *Fall, Spring*.

MHF 4404 COS-MATH 3(3,0)
History of Mathematics: PR: MAC 2312 or C.I. A chronological study of the evolution of mathematical thought from primitive counting through modern ideas of the 20th century. Recommended for prospective teachers in mathematics. *Fall*.

MHF 4934 COS-MATH 3(3,0)
Topics in Foundations and History of Mathematics: PR: MHF 3302 and MAS 3106, or C.I. Advanced, specialized topics in the foundations and history of mathematics, ranging from set theory and mathematical logic to the history and development of mathematical theories. May be used in the degree program a maximum of 3 times. *Occasional*.

MHS 2330 ED-E&HS 3(3,0)
Career Planning: Introduction to career and life planning theories and concepts that assists students in applying these to their own lives. *Odd Fall, Even Spring*.

MHS 2441 ED-E&HS 3(3,0)
Marriage and Intimate Relationships: Examination of the dynamics of intimate relationships, dating, courtship and challenges of establishing stable and satisfying marriage, impact of divorce, premarital preparation and marital education. *Occasional*.

MHS 5005 ED-E&HS 3(3,0)
Introduction to the Counseling Profession: PR: Completion of Phase II of Education Professional Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. *Fall, Spring*.

MLS 3220C COM-M&M 3(3,3)
Techniques in Clinical Microscopy: PR: CHM 2210, PCB 3703C or C.I. Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. *Fall*. M&S fee \$70.00

MLS 3305 COM-M&M 3(3,0)
Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow. *Spring*.

MLS 3305L COM-M&M 1(0,6)
Hematology Lab: PR: MLS 3305. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. *Spring*.

MLS 3705 COM-M&M 3(3,0)
Concepts in Education/Management: PR: Admission to professional phase of the MLS Program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. *Spring*.

MLS 4334 COM-M&M 3(3,0)
Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. *Occasional*.

MLS 4430C COM-M&M 3(2,3)
Clinical Parasitology: PR: MCB 3020C, CHM 2210, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of human parasites. *Fall*. M&S fee \$46.00

MLS 4460L COM-M&M 1(0,6)
Clinical Pathogenic Microbiology Lab: PR: Admission to the professional phase of the MLS program. CR: MCB 3203. Laboratory analysis of human pathogens from clinical samples to include bacteria and fungi. *Spring*. M&S fee \$53.00

MLS 4505C COM-M&M 3(3,0)
Immunodiagnosics: PR: PCB 3233. Theory and application of immunologic principles and their use in diagnosis of human disease. *Spring*. M&S fee \$45.00

MLS 4550 COM-M&M 4(2,6)
Clinical Immunohematology: PR: Admission to the professional phase of the MLS program or C.I. Investigation of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. *Spring*. M&S fee \$70.00

MLS 4625 COM-M&M 3(3,0)
Advanced Clinical Chemistry I: PR: CHM 2210, PCB 3703C or C.I. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. *Fall*.

MLS 4625L COM-M&M 1(0,3)
Advanced Clinical Chem I Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. *Fall*. M&S fee \$70.00

MLS 4630 COM-M&M 3(3,0)
Advanced Clinical Chemistry II: PR: CHM 2210, PCB 3703C or C.I. Correlation of laboratory tests to specific human disease states. *Spring*.

MLS 4830L COM-M&M 4(0,8)
Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MLS 4625, MLS 4630. Instruction and practice of clinical chemistry laboratory procedures at an off-campus affiliated hospital/clinical site. *Fall*.

MLS 4831L COM-M&M 4(0,8)
Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4505C. Instruction and practice of blood banking and transfusion medicine laboratory procedures at an off-campus affiliated hospital/clinical site. *Fall*.

MLS 4832L COM-M&M 4(0,8)
Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 3305, MLS 4334. Instruction and practice of clinical hematology laboratory procedures at an off-campus affiliated hospital/clinical site. *Fall*.

MLS 4833L COM-M&M 4(0,8)
Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4460C. Instruction and practice of clinical microbiological procedures at an off-campus affiliated hospital/clinical site. *Fall*.

MLS 4910 COM-M&M 1(1,0)
Introduction to Clinical Research: PR: MLS 3220C, MLS 4625, MLS 4550. Introduces MLS students to different types of research within the clinical setting. *Spring*.

MLS 4933 COM-M&M 2(2,0)
Medical Technology Seminar: PR: MLS Senior status. Review of MLS coursework, case study discussions and preparation for certification. Graded S/U. *Spring*.

MMC 2004 COS-COMM 3(3,0)
Mass Media: Introduction to the nation's mass media, including newspapers, radio, television, magazines, advertising, and public relations. *Fall, Spring*.

MMC 3200 COS-COMM 3(3,0)
Mass Communication Law: PR: One of the following; SPC 1608, SPC 1603C, COM 1000, or C.I. Legal rights and responsibilities of the mass media. *Fall, Spring*.



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MMC 3200H COS-COMM 3(3,0)
Honors Mass Communication Law: PR: SPC 1608, SPC 1603C, COM 1000 or C.I. Legal rights and responsibilities of the mass media. *Occasional*.

MMC 3420 COS-COMM 3(3,0)
Mass Media Research Methods: PR: R-TV or Ad-PR major or pending, or Mass Comm. minor. Theory and methods of research used by media professionals and academics, focusing on radio-television and advertising-public relations research. *Fall, Spring*.

MMC 3630 COS-COMM 3(3,0)
Social Media as Mass Communication: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. Principles and practices of social media and its role in communicating to mass audiences. *Occasional*.

MMC 4263 COS-COMM 3(3,0)
New Media Technologies: PR: Majors only, RTV 3200. An examination of the technologies impacting the communications media environment and society. *Occasional*.

MMC 4300 COS-COMM 3(3,0)
International Media: PR: Junior standing or C.I. The student will analyze different communication systems from around the world. There will be at least six case studies from any of these areas - Asia, Latin American, Western Europe, Middle East, Africa. *Occasional*.

MMC 4411 COS-COMM 3(3,0)
Ad-PR Campaigns: PR: Ad-PR majors only; ADV 3008 and PUR 4000 and either PUR 3100 or ADV 4101, and either PUR 4941 or ADV 4941. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. *Fall, Spring*.

MMC 4602 COS-COMM 3(3,0)
Contemporary Media Issues: PR: RTV 3007 or C.I. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media's relationship with government. *Spring*.

MSL 1001C ECS-AROTC 2(1,1)
Foundations of Officership: Examines the unique duties and responsibilities of officers, organization and role of the Army, reviews skills pertaining to fitness and communication, and analyze Army values and expected behavior. May be repeated for credit. *Fall*.

MSL 1002C ECS-AROTC 2(1,1)
Basic Leadership: Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. *Spring*.

MSL 2101C ECS-AROTC 2(1,1)
Individual Leadership Studies: Develops knowledge of self, self-confidence, and leadership skills; develop problem solving and critical thinking skills; apply communication, feedback, and conflict resolution skills. *Fall*.

MSL 2102C ECS-AROTC 2(1,1)
Leadership and Teamwork: Focuses on self-development guided by knowledge of self and group processes; challenges current beliefs, knowledge and skills. *Spring*.

MSL 3201C ECS-AROTC 4(3,1)
Leadership and Problem Solving: PR: Junior standing. Examines skills that underlie effective problem solving; analyzes military missions and plan military operations; and executes squad battle drills. *Fall*.

MSL 3202C ECS-AROTC 4(3,1)
Leadership and Ethics: PR: MSL 3201C. Probes leadership responsibilities that foster an ethical command climate; develops cadet leadership competencies; applies principles and techniques of effective written and oral communication. *Spring*.

MSL 4301C ECS-AROTC 4(3,1)
Leadership and Management: PR: MSL 3202C. Discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, apply leadership and problem solving principles to a complex case study/simulation. *Fall*.

MSL 4302C ECS-AROTC 4(3,1)
Officership: PR: MSL 4301C. Capstone course to explore topics relevant to second lieutenants entering the Army; describes legal aspects of decision making and leadership; and analyzes Army organization from tactical to strategic level. *Spring*.

MTG 4212 COS-MATH 4(4,0)
Modern Geometries: PR: MAC 2311C and MHF 3302. Sets of axioms and finite geometries, groups of transformations, Euclidean motions of 2-space and 3-space, convexity in 2-space and 3-space. Euclidean geometry of polygon and circle, constructible numbers, constructions and non-Euclidean geometry. *Fall*.

MTG 4254 COS-MATH 3(3,0)
Introduction to Differential Geometry: PR: MAC 2313 and MAS 3106, or C.I. Topics include curves and surfaces, differential manifolds, tangent space, differentials, curvature and torsion tensors, connections, covariant differentiation, Lie derivative, integration on manifolds, and Riemannian manifolds. *Occasional*.

MTG 4302 COS-MATH 3(3,0)
Introduction to Topology: PR: MHF 3302 and MAS 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. *Spring*.

MTG 4934 COS-MATH 3(3,0)
Topics in Topology and Geometry: PR: MAS 3106 or C.I. Advanced topics in geometry and topology. Selection of topics will vary. May be used in the degree program a maximum of 3 times. *Occasional*.

MTG 5253 COS-MATH 3(3,0)
Introduction to Differential Geometry: PR: MAC 2313 or equivalent or C.I. Curves and surfaces in 2D and 3D, covariant derivative of a vector field, geodesics, Gauss-Bonnet Theorem. *Fall*.

MTG 5256 COS-MATH 3(3,0)
Differential Geometry: PR: MAA 4227, graduate status or senior standing, or C.I. Differentiable manifolds, tangent space and tangent bundle, flows and vector fields, Lie derivatives, cotangent space and cotangent bundles, Riemann metrics, connections and geodesics, applications in classical mechanics. *Occasional*.

MUC 1101C CAH-MUSIC 2(1,1)
Composition I: PR: MUC 1122 and MUL 2014 each with a grade of "C" (2.0) or better or C.I. Creative work in small forms. May be repeated for credit. *Fall, Spring*.

MUC 2104C CAH-MUSIC 2(1,1)
Composition II: PR: MUC 1101C and Music or composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit. *Fall, Spring*.

MUC 3105C CAH-MUSIC 3(1,1)
Composition III: PR: MUC 2104C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. *Fall, Spring*.

MUC 4106C CAH-MUSIC 4(1,1)
Composition IV: PR: MUC 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 3 times. *Fall, Spring*.

MUC 4950 CAH-MUSIC 0(0,0)
Composition Recital: CR: MUC 4106C. Culminating public concert of works written while studying Composition I-IV. Graded S/U. *Odd Fall*.

MUC 5112 CAH-MUSIC 2(1,0)
Composition V: PR: Graduate standing in music education or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times. *Occasional*.

MUC 5445 CAH-MUSIC 3(3,0)
Electroacoustic Music Composition: PR: MUS 2360C and MUC 1101C, or C.I. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. *Occasional*.

MUE 2040 CAH-MUSIC 2(2,0)
Introduction to Music Education: PR: None. An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. *Fall*.

MUE 2211 ED-CFCS 3(3,0)
Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children. *Occasional*.

MUE 2346 CAH-MUSIC 1(0,2)
Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. *Odd Spring*.

MUE 2440 CAH-MUSIC 1(0,2)
String Techniques: PR: MUED major, junior standing or C.I. Class instruction in string playing and pedagogical techniques. *Spring*. M&S fee \$30.00

MUE 2450 CAH-MUSIC 1(1,0)
Woodwind Techniques I: PR: MUED major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. *Fall*.

MUE 2460 CAH-MUSIC 1(0,2)
Brass Techniques: PR: MUED major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. *Fall*.

MUE 2470 CAH-MUSIC 1(0,2)
Percussion Techniques: PR: MUED major, junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. *Spring*. M&S fee \$35.00

MUE 2471 CAH-MUSIC 1(1,1)
Percussion Techniques II: PR: MUE 2470 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today's instrumental music teachers. *Odd Spring*. M&S fee \$35.00

MUE 3210 ED-TL&L 1(1,0)
Music in the Elementary School: PR: EDF 2005; CR: ARE 4313, HLP 4720, RED 4519, MAE 4326, and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. *Fall, Spring*.

MUE 3333 CAH-MUSIC 3(3,0)
Music Learning Theory and Assessment: PR: MUE 2040. Learning theory and practical applications of assessment techniques as applied in the music classroom. *Odd Spring*.

MUE 3353 CAH-MUSIC 2(2,0)
General Music Literature and Techniques: PR: MUE 2040. Diverse literature and techniques for the general music classroom. *Odd Spring*.

MUE 3451 CAH-MUSIC 1(1,0)
Woodwind Techniques II: PR: MUE 2450, MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. *Occasional*.

MUE 3461 CAH-MUSIC 1(1,1)
Brass Techniques II: PR: MUE 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. *Odd Spring*.

MUE 3693 CAH-MUSIC 2(2,0)
Technology in Music Education: PR: MUE 2040 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. *Odd Spring*. M&S fee \$2.00

MUE 3942 CAH-MUSIC 3(3,0)
Music Internship I: PR: MUE 4311, MUE 3333, EDG 4410, TSL 4080, EDF 4603 and RED 4043. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded S/U. *Fall, Spring*.



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MUE 4311 CAH-MUSIC 2(2,0)
Elementary School Music Methods: PR: Junior standing, MUED major. Organization and administration of instruction for comprehensive music education, K-6; instructional planning, techniques, and materials for elementary music education. *Fall.*

MUE 4331 CAH-MUSIC 3(3,0)
Secondary Choral Methods I: PR: MUE 2040 or C.I. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. *Odd Spring.*

MUE 4332 CAH-MUSIC 3(3,0)
Secondary Instrumental Methods I: PR: MUE 2040. Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. *Odd Spring.*

MUE 4335 CAH-MUSIC 3(3,0)
Secondary Choral Methods II: PR: MUE 4331. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. *Odd Spring.*

MUE 4337 CAH-MUSIC 3(3,0)
Secondary Instrumental Methods II: PR: MUE 4332. Wind and percussion teaching methods for high school students in a large classroom setting. *Odd Spring.*

MUE 4354 CAH-MUSIC 3(3,0)
General Music: ORFF Level I: PR: Junior Standing or C.I. ORFF SCHULWERK methods of music education for pre-K - grade 8. Development of personal and pedagogical skills in singing, moving, playing Orff instruments, recorder and compositions. *Occasional.*

MUE 4393 CAH-MUSIC 2(2,0)
Music and Students with Special Needs: PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. *Odd Fall.*

MUE 4394 CAH-MUSIC 1(1,0)
Seminar in Music Teaching: PR: Internship I; CR: ESE 4943. Content and strategies for classroom management and exceptional education for music teachers. *Odd Spring.*

MUE 4441 CAH-MUSIC 3(3,0)
String Methods: PR: MUE 4332. String teaching methods for high school students in a large classroom setting. *Odd Spring.*

MUE 4943 CAH-MUSIC 12(12,0)
Music Internship II: PR: MUE 3942. Student Teaching in an elementary or secondary school under supervision of a certified classroom teacher. Graded S/U. *Fall, Spring.*

MUE 5348C CAH-MUSIC 4(4,0)
K-12 Music Methods: PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education, K-12. Instructional planning, techniques, and materials for general, choral, and instrumental music education. *Spring.*

MUE 5921 CAH-MUSIC 2(2,0)
Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. *Occasional.*

MUG 3104 CAH-MUSIC 2(1,1)
Basic Conducting: PR: MUT 1122 or C.I. Fundamental techniques and practice in conducting. *Fall.*

MUG 3202 CAH-MUSIC Variable
Choral Conducting and Materials: PR: MUG 3104. Fundamental principles of choral conducting and rehearsal techniques including an examination of materials. *Spring.*

MUG 3302 CAH-MUSIC Variable
Instrumental Conducting and Materials: PR: MUG 3104. Fundamental principles of instrumental conducting and rehearsal techniques including an examination of materials. *Spring.*

MUH 2017 CAH-MUSIC 3(3,0)
Survey of Rock Music: Rise of rock music to prominence, and its impact on audience reception. No musical background required. *Fall, Spring.*

MUH 2017H CAH-MUSIC 3(3,0)
Honors Survey of Rock Music: PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors content. *Even Fall.*

MUH 2019 CAH-MUSIC 3(3,0)
American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. *Fall, Spring.*

MUH 2021 CAH-MUSIC 3(3,0)
Survey of Country Music: Country music and its historical developments from the 1920s to present. *Occasional.*

MUH 2071C CAH-MUSIC 1(0,1)
World Music Survey and Performance Laboratory: PR: MUT 1122 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. *Occasional.*

MUH 3211 CAH-MUSIC 3(3,0)
Music History and Literature I: PR: MUL 2014 and MUT 1122. History of Western European art music from Antiquity to 1750. *Fall, Spring.*

MUH 3212 CAH-MUSIC 3(3,0)
Music History and Literature II: PR: MUL 2014 and MUT 1122. History of Western European and American art music from 1750 to present day. *Fall, Spring.*

MUH 4218 CAH-MUSIC 1(1,0)
Review of Music History: PR: C.I. A review of music history from Ancient Greece to the present. *Occasional.*

MUH 4322 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 450-1600. *Even Fall.*

MUH 4341 CAH-MUSIC 3(3,0)
Music of the Baroque: PR: MUH 3211 and MUH 3212. Music and culture during the Baroque period, 1600-1750. *Occasional.*

MUH 4351 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 1700-1830. *Even Fall.*

MUH 4361 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: MUH 3211 and MUH 3212 with grades of "C," 2.0, or higher in each. Examination of Western European and American art music from the nineteenth century. *Odd Fall.*

MUH 4371 CAH-MUSIC 3(3,0)
Music Since 1900: PR: MUH 3211, MUH 3212, or C.I. Western art music since 1900. *Odd Spring.*

MUH 4814 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: MUT 3171 and MUL 2016, or C.I. Historical style periods and master artists in jazz music. *Odd Spring.*

MUH 5326 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 450-1600. *Occasional.*

MUH 5345 CAH-MUSIC 3(3,0)
Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. *Even Spring.*

MUH 5356 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. *Occasional.*

MUH 5365 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: Graduate standing in Music or C.I. Western Art Music of the 19th Century. *Odd Fall.*

MUH 5375 CAH-MUSIC 3(3,0)
Music Since 1900: PR: Graduate standing in Music Education or C.I. Music and culture of Western and American art Music from c. 1900 to the present. *Occasional.*

MUH 5665 CAH-MUSIC 3(3,0)
Development of Opera: PR: Graduate standing in Music or C.I. An in-depth examination of Western European opera, from its origins around 1600 until the present day. *Even Spring.*

MUH 5816 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: Graduate standing or C.I. Advanced study of historical style periods and master artists in jazz music. *Odd Fall.*

MUL 2010 CAH-MUSIC 3(2,1)
Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. *Fall, Spring.*

MUL 2014 CAH-MUSIC 3(3,0)
Introduction to Music History and Literature: PR: Music major or C.I. Musical repertoires and cultures from the Western art music tradition, American jazz, and non-western music. *Odd Spring.*

MUL 2016 CAH-MUSIC 3(3,0)
Evolution of Jazz: Survey of jazz literature and performance. *Fall, Spring.*

MUL 2720 CAH-MUSIC 3(3,0)
Music of the World: Music in cross-cultural context. Relation of music to religion and society. *Fall, Spring.*

MUL 2721 CAH-MUSIC 3(3,0)
Survey of Latin American Music: Survey of Latin-American and Caribbean music, including musical traditions as well as historical and cultural connections. *Occasional.*

MUL 3381 CAH-MUSIC 3(3,0)
Contemporary Popular Music: PR: MUL 2010 or MUT 1122 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. *Spring.*

MUL 3400 CAH-MUSIC 2(1,1)
Piano Literature I: PR: Major in Music or C.I. Survey of stringed keyboard literature from the 16th century to the present, with emphasis on technical, formal and performance problems. *Odd Fall.*

MUL 3401 CAH-MUSIC 2(1,1)
Piano Literature II: PR: MUL 3400. Continuation of MUL 3400. *Even Spring.*

MUL 3463 CAH-MUSIC 2(2,0)
Percussion Literature: PR: Music major (Percussion), Junior standing, C.I. Survey of music written for percussion instruments. *Odd Fall.*

MUL 3602 CAH-MUSIC 3(3,0)
Song Literature: PR: MUL 2014 or C.I. Classical song repertoire in English and common foreign languages, and proven methods of effective song study. *Odd Fall.*

MUL 4437 CAH-MUSIC 3(3,0)
String Literature and Pedagogy: PR: MUL 2014. Important literature written for string instruments, and basic concepts and techniques to teach string. *Odd Spring.*

MUL 4438 CAH-MUSIC 3(3,0)
Guitar Literature and Pedagogy: PR: MVS 2426 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. *Odd Fall.*

MUL 4443 CAH-MUSIC 3(3,0)
Brass Literature and Pedagogy: PR: MUL 2014. Important literature written for brass instruments, and basic concepts and techniques to teach brass. *Odd Spring.*

MUL 4444 CAH-MUSIC 3(3,0)
Woodwind Literature and Pedagogy: PR: Music major and MUL 2014. Important literature written for woodwind instruments, and basic concepts and techniques to teach woodwinds. *Odd Spring.*



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MUL 5215	CAH-MUSIC	3(3,0)	Electronic Music Literature: PR: MUL 2010, MUL 2014, MUL 2016, MUH 2017, or MUH 2019, or C.I. Survey of electronic music and music technology with emphasis on history, sociological perspectives and aesthetics. <i>Occasional.</i>
MUL 5436	CAH-MUSIC	3(3,0)	Guitar Literature and Pedagogy: PR: Graduate standing in Music or C.I. Survey of significant repertoire and pedagogy for classical guitar. <i>Odd Spring.</i>
MUL 5439	CAH-MUSIC	3(3,0)	String Literature and Pedagogy: PR: Graduate standing in Music or C.I. Study of string literature from the Baroque period to the 20th century, along with prominent pedagogical principles. <i>Odd Fall.</i>
MUL 5447	CAH-MUSIC	3(3,0)	Woodwind Literature and Pedagogy: PR: Graduate standing in Music or C.I. Major works written for woodwind instruments, as well as the study of the basic concepts and techniques fundamental to teaching woodwind instruments. <i>Odd Spring.</i>
MUL 5448	CAH-MUSIC	3(3,0)	Brass Literature and Pedagogy: PR: Graduate standing in Music or C.I. Significant brass repertoire, study materials and a review of teaching techniques for artistic brass performance. <i>Even Fall.</i>
MUM 5806	CAH-MUSIC	3(3,0)	Performing Arts Management: PR: Graduate status or senior standing or C.I. Structure of nonprofit performing arts organization (PAOs), examining the fundamental elements of administration, audience development, marketing, and fund-raising. <i>Spring.</i>
MUN 2442	CAH-MUSIC	1(1,0)	Percussion/Mallet Ensemble: PR: C.I. Preparation and performance of music for percussion with mallets. May be repeated for credit. <i>Fall.</i> M&S fee \$30.00
MUN 3113	CAH-MUSIC	2(0,8)	Marching Band: PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit. <i>Fall.</i> M&S fee \$36.54
MUN 3123L	CAH-MUSIC	1(0,3)	Concert Band: PR: C.I. No audition required and open to all majors. Study and performance of music for large ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3133	CAH-MUSIC	1(0,4)	Symphonic Band: PR: Open to all students by audition. Auditioned performance ensemble that presents multiple concerts each semester and performs a variety of musical literature for winds and percussion. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3143	CAH-MUSIC	1(0,4)	Wind Ensemble: PR: Open to all students by audition. Study and performance of music for wind ensemble and band. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3283	CAH-MUSIC	1(0,5)	Symphony Orchestra: PR: Audition. Open to all students by audition. Rehearsal and performance of works from the symphonic repertoire. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3313	CAH-MUSIC	1(3,0)	University Chorus: PR: C.I. Open to all students by audition. Study and performance of large ensemble music. Possible tours. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3323	CAH-MUSIC	1(0,3)	Women's Chorus: PR: Audition and C.I. Study and performance of music for women's voices. Open to all students. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3343L	CAH-MUSIC	1(0,3)	Chamber Singers: PR: C.I. A chamber choir of advanced singers. Open to all students by audition. Additional rehearsals and commitments required. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3423	CAH-MUSIC	1(0,2)	Woodwind Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3426	CAH-MUSIC	1(1,0)	Saxophone Ensemble: PR: Students must pass an audition in front of the instructor. An in-depth study and performance of music written for an ensemble comprised of all saxophones. May be used in the degree program a maximum of 8 times. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3427	CAH-MUSIC	1(1,0)	Flute Ensemble: PR: Student must pass an audition in front of the instructor. Study and performance of music written for an ensemble comprised of all flutes. May be used in the degree program a maximum of 8 times. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3431L	CAH-MUSIC	1(0,2)	Brass Quintet: PR: Audition and Consent of Instructor. Rehearsal and performance of music for brass quintet. May be used in the degree program a maximum of 4 times only when course content is different. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3433	CAH-MUSIC	1(0,2)	Brass Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3437	CAH-MUSIC	1(1,0)	Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. <i>Occasional.</i> M&S fee \$20.00
MUN 3443	CAH-MUSIC	1(0,2)	Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for mallet ensemble. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$35.00
MUN 3444	CAH-MUSIC	1(1,0)	Mallet Ensemble: PR: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. <i>Fall, Odd Spring.</i> M&S fee \$35.00
MUN 3453	CAH-MUSIC	1(0,3)	Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3483	CAH-MUSIC	1(0,2)	String Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3487	CAH-MUSIC	1(0,2)	Guitar Ensemble: PR: Audition or C.I. Study and performance of music for multiple guitars. May be used in the degree program a maximum of 8 times. <i>Odd Spring.</i> M&S fee \$20.00
MUN 3713	CAH-MUSIC	1(0,4)	Jazz Ensemble: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3714	CAH-MUSIC	1(0,2)	Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 3813	CAH-MUSIC	1(1,1)	Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 4476	CAH-MUSIC	1(0,2)	Early Music Ensemble: PR: C.I. Study and performance of pre-classical music. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$5.00
MUN 5125	CAH-MUSIC	1(0,3)	Concert Band: PR: Open to all graduate students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 4 times. <i>Odd Fall.</i> M&S fee \$20.00
MUN 5145	CAH-MUSIC	1(0,4)	Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. <i>Odd Fall.</i> M&S fee \$20.00
MUN 5215	CAH-MUSIC	1(0,5)	Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. <i>Odd Fall.</i> M&S fee \$20.00
MUN 5325	CAH-MUSIC	1(0,3)	Women's Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women's voices. May be used in the degree program a maximum of 4 times. <i>Odd Fall.</i> M&S fee \$20.00
MUN 5368L	CAH-MUSIC	1(0,3)	Graduate Madrigal Singers: PR: Graduate standing in Music Education and C.I. Study of varied literature for small vocal ensembles. May be used in the degree program a maximum of 5 times. <i>Occasional.</i> M&S fee \$20.00
MUN 5385L	CAH-MUSIC	1(0,3)	Graduate University Chorus: PR: Graduate standing in Music Education and C.I. Study and performance of large ensemble music. May be used in the degree program a maximum of 5 times. <i>Occasional.</i> M&S fee \$20.00
MUN 5445	CAH-MUSIC	1(0,2)	Percussion Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. <i>Odd Fall.</i> M&S fee \$35.00
MUN 5465L	CAH-MUSIC	1(0,2)	Graduate Chamber Music: PR: Graduate standing in Music Education and C.I. The study and performance of vocal and/or instrumental chamber ensemble literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. <i>Occasional.</i> M&S fee \$20.00
MUN 5478L	CAH-MUSIC	1(0,3)	Early Music Ensemble: PR: Graduate standing in Music Education and C.I. Graduate ensemble experience with instruments and repertoire of the Medieval, Renaissance, and Baroque periods. May be used in the degree program a maximum of 5 times. <i>Occasional.</i> M&S fee \$5.00
MUN 5715L	CAH-MUSIC	1(0,4)	Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. <i>Fall, Spring.</i> M&S fee \$20.00
MUN 5716L	CAH-MUSIC	1(0,2)	Jazz Chamber Group: PR: Audition, graduate standing or senior standing, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. <i>Fall, Spring.</i> M&S fee \$20.00
MUO 2501C	CAH-MUSIC	2(1,1)	Opera Skills: PR: Open to all students by audition. Integration of singing, acting, and movement in opera; explores basic stage movement, character preparation, and performance of opera arias. <i>Fall.</i>
MUO 3503L	CAH-MUSIC	1(0,3)	Opera Workshop: PR: MUO 2501C, or C.I., and audition. Study, preparation, and performance of opera literature. May be used in the degree program a maximum of 8 times. <i>Occasional.</i> M&S fee \$70.00
MUO 5505L	CAH-MUSIC	1(0,3)	Graduate Opera Workshop: PR: C.I. and audition. Study of audition techniques, operatic roles and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times. <i>Occasional.</i> M&S fee \$70.00
MUS 1010	CAH-MUSIC	0(9,2)	Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. <i>Fall, Spring.</i>



UCF Courses and Descriptions

MUS 1250 CAH-MUSIC 1(2,0)
IPA for Singers: PR: Music major or C.I. The International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. *Odd Fall.*

MUS 2360C CAH-MUSIC 3(2,2)
Introduction to Music Technology: PR: Music major or C.I. Utilization of computers and keyboards to acquire skills in MIDI sequencing, notation, CDs, and the Internet. *Fall, Spring.* M&S fee \$15.83

MUS 3254 CAH-MUSIC 2(2,0)
Italian and French Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the Italian and French languages. *Odd Spring.*

MUS 3255 CAH-MUSIC 2(2,0)
German and English Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the German and English languages. *Odd Spring.*

MUS 3953 CAH-MUSIC 0(1,0)
Recital Performance I: PR: Junior Level Applied Music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

MUS 4320 CAH-MUSIC 3(3,0)
Music Business and Industry: PR: MUS 2360C or C.I. Today's music industry copyright, publishing, contracts and licensing. *Odd Fall.*

MUS 4674 CAH-MUSIC 3(3,0)
Health and Wellness for the Performing Musician: PR: MUT 2127 or C.I. Basic musculoskeletal anatomy, posture, common injuries and injury prevention, mental training, performance anxiety, practical performance, & pedagogic applications. *Even Spring.*

MUS 4900 CAH-MUSIC 3(3,0)
Music BA Capstone Project: PR: C.I. Self-designed project, completed under faculty supervision, that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. *Occasional.*

MUS 4905 CAH-MUSIC 1-4(1-4)
Directed Experience: PR: C.I. and Junior standing. Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. *Occasional.*

MUS 4954 CAH-MUSIC 0(1,0)
Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

MUS 5365 CAH-MUSIC 3(3,0)
Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom. *Occasional.*

MUS 5677 CAH-MUSIC 3(3,0)
Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. *Occasional.*

MUT 1004 CAH-MUSIC 3(3,0)
Fundamentals of Music I: Basic music theory and reading music at the keyboard. *Fall.*

MUT 1121 CAH-MUSIC 4(2,3)
Music Theory and Musicianship I: PR: MUT 1004 or C.I. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. *Odd Spring.*

MUT 1122 CAH-MUSIC 4(2,3)
Music Theory and Musicianship II: PR: MUT 1121 or C.I. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. *Odd Spring.*

MUT 2126 CAH-MUSIC 4(2,3)
Music Theory and Musicianship III: PR: MUT 1122 or C.I. Continuation of MUT 1122. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. *Odd Spring.*

MUT 2127 CAH-MUSIC 4(2,3)
Music Theory and Musicianship IV: PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. *Odd Spring.*

MUT 3170 CAH-MUSIC 3(3,0)
Jazz Theory I: PR: MUT 1122 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. *Even Fall.*

MUT 3171 CAH-MUSIC 3(3,0)
Jazz Theory II: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. *Odd Spring.*

MUT 3923 CAH-MUSIC 3(0,3)
Jazz Workshop: PR: MUT 3171 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MUT 4031 CAH-MUSIC 1(1,0)
Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. *Occasional.*

MUT 4311 CAH-MUSIC 3(3,0)
Orchestration: PR: MUS 2360C and MUT 2127. Technical and aesthetic principles of writing for instruments of the concert orchestra. *Odd Spring.*

MUT 4401 CAH-MUSIC 3(3,0)
Counterpoint: PR: MUT 2127. Counterpoint in Western music from the 16th to the 20th Centuries. *Even Spring.*

MUT 4571 CAH-MUSIC 3(3,0)
Analysis of Twentieth-Century Music: PR: MUT 2127 or equivalent. Techniques of analysis for various styles of twentieth-century music. *Odd Fall.*

MUT 5316 CAH-MUSIC 3(3,0)
Orchestration: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. *Odd Spring.*

MUT 5381 CAH-MUSIC 3(3,0)
Arranging and Composing Music: PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. *Even Fall.*

MUT 5445 CAH-MUSIC 3(3,0)
Counterpoint: PR: Graduate standing in Music or C.I. Principles of counterpoint and the study of contrapuntal styles in Western music from the 16th century to the present day. *Even Spring.*

MUT 5620 CAH-MUSIC 3(3,0)
Analysis of Twentieth Century Music: PR: Graduate standing in Music or C.I. Analysis of music in a selection of the different styles practiced in the 20th century, with an emphasis on Western art music. *Fall.*

MUT 5936 CAH-MUSIC 3(3,0)
Music Theory Seminar: PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. *Occasional.*

MVB 1211 CAH-MUSIC 1(0,1)
Secondary Trumpet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trumpet. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVB 1212 CAH-MUSIC 1(0,1)
Secondary French Horn: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in French Horn. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVB 1213 CAH-MUSIC 1(0,1)
Secondary Trombone: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trombone. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVB 1214 CAH-MUSIC 1(0,1)
Secondary Euphonium: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in euphonium. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVB 1215 CAH-MUSIC 1(0,1)
Secondary Tuba: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVB 1411 CAH-MUSIC 2(1,1)
Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVB 1412 CAH-MUSIC 2(1,1)
French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVB 1413 CAH-MUSIC 2(1,1)
Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVB 1414 CAH-MUSIC 2(1,1)
Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVB 1415 CAH-MUSIC 2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Even Fall, Spring.*

MVB 2421 CAH-MUSIC 2(1,1)
Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. *Fall, Spring.*

MVB 2422 CAH-MUSIC 2(1,1)
French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. *Fall, Spring.*

MVB 2423 CAH-MUSIC 2(1,1)
Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. *Fall, Spring.*

MVB 2424 CAH-MUSIC 2(1,1)
Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. *Fall, Spring.*

MVB 2425 CAH-MUSIC 2(1,1)
Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. *Fall, Spring.*

MVB 3431 CAH-MUSIC 2-3(1,1)
Trumpet III: PR: MVB 2421. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVB 3432 CAH-MUSIC 2-3(1,1)
French Horn III: PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVB 3433 CAH-MUSIC 2-3(1,1)
Trombone III: PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*



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MVB 3434 CAH-MUSIC 2-3(1,1)
Euphonium III: PR: MVB 2424 and competence determined by faculty jury. Continued study of performance skills of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVB 3435 CAH-MUSIC 2-3(1,1)
Tuba III: PR: MVB 2425 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVB 4441 CAH-MUSIC 4(1,1)
Trumpet IV: PR: MVB 3431. Intensive advanced performance study of the trumpet, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVB 4442 CAH-MUSIC 4(1,1)
French Horn IV: PR: MVB 3432 and competence determined by faculty jury. Intensive advanced performance study of the French horn, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVB 4443 CAH-MUSIC 4(1,1)
Trombone IV: PR: MVB 3433 and competence determined by faculty jury. Intensive advanced performance study of the trombone, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVB 4444 CAH-MUSIC 4(1,1)
Euphonium IV: PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVB 4445 CAH-MUSIC 4(1,1)
Tuba IV: PR: MVB 3435 and competence determined by faculty jury. Intensive advanced performance study of the tuba, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVB 5451 CAH-MUSIC 2(1,0)
Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVB 5452 CAH-MUSIC 2(1,0)
French Horn V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVB 5453 CAH-MUSIC 2(1,0)
Trombone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVB 5454 CAH-MUSIC 2(1,0)
Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVB 5455 CAH-MUSIC 2(1,0)
Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVJ 1010 CAH-MUSIC 2(1,1)
Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 1213 CAH-MUSIC 2(1,1)
Jazz Guitar I: PR: Music major or C.I. Scales, arpeggios, chord voicings, and other techniques included in fundamentals of jazz guitar skills. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 1214 CAH-MUSIC 2(1,1)
Jazz Bass I: PR: Music major or C.I. Basic Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 1219 CAH-MUSIC 2(1,1)
Jazz Drum Set I: PR: Music major or C.I. Basic Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 2220 CAH-MUSIC 2(1,1)
Jazz Piano II: PR: MVJ 1010. Continuation of MVJ 1010. Scale Studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 2223 CAH-MUSIC 2(1,1)
Jazz Guitar II: PR: MVJ 1213. Continuation of MVJ 1213. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 2224 CAH-MUSIC 2(1,1)
Jazz Bass II: PR: MVJ 1214. Continuation of MVJ 1214. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 2229 CAH-MUSIC 2(1,1)
Jazz Drum Set II: PR: MVJ 1219. Continuation of MVJ 1219. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 3230 CAH-MUSIC 3(1,1)
Jazz Piano III: PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 3233 CAH-MUSIC 3(1,1)
Jazz Guitar III: PR: MVJ 2223. Continuation of MVJ 2223. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 3234 CAH-MUSIC 3(1,1)
Jazz Bass III: PR: MVJ 2224. Continuation of MVJ 2224. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 3339 CAH-MUSIC 3(1,1)
Jazz Drum Set III: PR: MVJ 2229. Continuation of MVJ 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 4240 CAH-MUSIC 4(1,1)
Jazz Piano IV: PR: MVJ 3230. Continuation of MVJ 3230. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz piano skills. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 4243 CAH-MUSIC 4(1,1)
Jazz Guitar IV: PR: MVJ 3233. Continuation of MVJ 3233. Scales, arpeggios, chord voicings, and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 4244 CAH-MUSIC 4(1,1)
Jazz Bass IV: PR: MVJ 3234. Continuation of MVJ 3234. Advanced Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 4349 CAH-MUSIC 4(1,1)
Jazz Drum Set IV: PR: MVJ 3339. Continuation of MVJ 3339. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. *Odd Spring.*

MVJ 5350C CAH-MUSIC 2(1,1)
Jazz Piano V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz piano literature, styles, and techniques. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVJ 5353C CAH-MUSIC 2(1,1)
Jazz Guitar V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz guitar literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. *Fall, Spring.*

MVJ 5354C CAH-MUSIC 2(1,1)
Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. *Fall, Spring.*

MVJ 5359C CAH-MUSIC 2(1,1)
Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. *Fall, Spring.* M&S fee \$35.00

MVK 1111 CAH-MUSIC 1(0,2)
Class Piano I: Class instruction for beginning piano students. Not open to music majors whose major performing medium is piano. *Fall, Spring.*

MVK 1112 CAH-MUSIC 1(0,2)
Class Piano II: PR: MVK 1111, Music major, or C.I. Continuation of MVK 1111. Music majors only; not open to music majors whose major performing medium is piano. *Fall, Spring.*

MVK 1211 CAH-MUSIC 1(0,1)
Secondary Piano: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in piano. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVK 1411 CAH-MUSIC 2(1,1)
Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. *Fall, Spring.*

MVK 2121 CAH-MUSIC 1(0,2)
Class Piano III: PR: MVK 1112, Music major or C.I. Continuation of MVK 1112. Music majors only; not open to music majors whose major instrument is piano. *Fall, Spring.*

MVK 2122 CAH-MUSIC 1(0,2)
Class Piano IV: PR: Music major, MVK 2121 or C.I. Continuation of MVK 2121. Music majors only; not open to music majors whose major instrument is piano. *Fall, Spring.*

MVK 2421 CAH-MUSIC 2(1,1)
Piano II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. *Fall, Spring.*

MVK 3431 CAH-MUSIC 2-3(1,1)
Piano III: PR: MVK 2421 and competence determined by faculty jury. Continued study of performance skills of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVK 4441 CAH-MUSIC 4(1,1)
Piano IV: PR: MVK 3431 and competence determined by faculty jury. Intensive advanced performance study of the piano, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVK 4640 CAH-MUSIC 2(2,0)
Piano Pedagogy I: PR: MVK 1411 or C.I. Methods, materials for teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of procedures. May be used in the degree program a maximum of 2 times. *Even Fall.*

MVK 5451 CAH-MUSIC 2(1,0)
Piano V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVK 5650 CAH-MUSIC 2(2,0)
Piano Pedagogy: PR: Graduate standing in Music or C.I. Techniques, methods, and experiences of former and current pedagogues to equip students for current or future piano teaching. *Even Spring.*

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MVO 5250 CAH-MUSIC 1(1,0)
Advanced Secondary Instruction: PR: Graduate status or senior standing, and C.I. Advanced instructional techniques on a secondary instrument or in voice. May be repeated for credit. *Occasional.*

MVP 1211 CAH-MUSIC 1(0,1)
Secondary Percussion: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in percussion. Intended for non-music majors. May be repeated for credit. *Occasional.* M&S fee \$35.00

MVP 1411 CAH-MUSIC 2(1,1)
Percussion I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.* M&S fee \$35.00

MVP 2421 CAH-MUSIC 2(1,1)
Percussion II: PR: MVP 1411 and competence determined by faculty jury. Continuation of MVP 1411. May be repeated for credit. *Fall, Spring.* M&S fee \$35.00

MVP 3431 CAH-MUSIC 2-3(1,1)
Percussion III: PR: MVP 2421 and competence determined by faculty jury. Continued study of performance skills of percussion, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.* M&S fee \$35.00

MVP 3630 CAH-MUSIC 2(2,0)
Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups. *Fall, Spring.*

MVP 4441 CAH-MUSIC 4(1,1)
Percussion IV: PR: MVP 3431 and competence determined by faculty jury. Intensive advanced performance study of percussion for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.* M&S fee \$35.00

MVP 5451 CAH-MUSIC 2(1,0)
Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.* M&S fee \$35.00

MVS 1211 CAH-MUSIC 1(0,1)
Secondary Violin: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVS 1212 CAH-MUSIC 1(0,1)
Secondary Viola: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in viola. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVS 1213 CAH-MUSIC 1(0,1)
Secondary Cello: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in cello. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVS 1214 CAH-MUSIC 1(0,1)
Secondary Bass: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bass. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVS 1216 CAH-MUSIC 1(0,1)
Secondary Guitar: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in guitar. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVS 1411 CAH-MUSIC 2(1,1)
Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVS 1412 CAH-MUSIC 2(1,1)
Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVS 1413 CAH-MUSIC 2(1,1)
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVS 1414 CAH-MUSIC 2(1,1)
Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVS 1415 CAH-MUSIC 2(1,1)
Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVS 1416 CAH-MUSIC 2(1,1)
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVS 2421 CAH-MUSIC 2(1,1)
Violin II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. *Fall, Spring.*

MVS 2422 CAH-MUSIC 2(1,1)
Viola II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. *Fall, Spring.*

MVS 2423 CAH-MUSIC 2(1,1)
Cello II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. *Fall, Spring.*

MVS 2424 CAH-MUSIC 2(1,1)
Bass II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. *Fall, Spring.*

MVS 2425 CAH-MUSIC 2(1,1)
Harp II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. *Fall, Spring.*

MVS 2426 CAH-MUSIC 2(1,1)
Guitar II: PR: MVS 1416 and competence determined by faculty jury. Continuation of MVS 1416. May be repeated for credit. *Fall, Spring.*

MVS 3431 CAH-MUSIC 2-3(1,1)
Violin III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVS 3432 CAH-MUSIC 2-3(1,1)
Viola III: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the viola, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVS 3433 CAH-MUSIC 2-3(1,1)
Cello III: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the cello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVS 3434 CAH-MUSIC 2-3(1,1)
Bass III: PR: MVS 2424 and competence determined by faculty jury. Continued study of performance skills of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVS 3435 CAH-MUSIC 2-3(1,1)
Harp III: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills of the harp, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVS 3436 CAH-MUSIC 2-3(1,1)
Guitar III: PR: MVS 2426 and competence determined by faculty jury. Continued study of performance skills of the guitar, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVS 4346 CAH-MUSIC 4(1,1)
Guitar IV: PR: MVS 3436 and competence determined by faculty jury. Intensive advanced performance study of the guitar, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVS 4441 CAH-MUSIC 4(1,1)
Violin IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVS 4442 CAH-MUSIC 4(1,1)
Viola IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the viola, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVS 4443 CAH-MUSIC 4(1,1)
Cello IV: PR: MVS 3433 and competence determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVS 4444 CAH-MUSIC 4(1,1)
Bass IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the string bass, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVS 4445 CAH-MUSIC 4(1,1)
Harp IV: PR: MVS 3435 and competence determined by faculty jury. Intensive advanced performance study of the harp, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVS 5451 CAH-MUSIC 2(1,0)
Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVS 5452 CAH-MUSIC 2(1,0)
Viola V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVS 5453 CAH-MUSIC 2(1,0)
Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVS 5454 CAH-MUSIC 2(1,0)
Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVS 5455 CAH-MUSIC 2(1,0)
Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVS 5456 CAH-MUSIC 2(1,0)
Guitar V: PR: Graduate status or senior standing and C.I. May be used in the degree program a maximum of 4 times. *Fall, Spring.*

MVV 1411 CAH-MUSIC 2(1,1)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVV 1873 CAH-MUSIC 1(0,1)
Secondary Voice: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in voice. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVV 2421 CAH-MUSIC 2(1,1)
Voice II: PR: MVV 1411 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVV 1411. Major in music or consent of chair; audition. Private and class lessons. May be repeated for credit 2 times. *Fall, Spring.*

MVV 3431 CAH-MUSIC 2-3(1,1)
Voice III: PR: MVV 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVV 4441 CAH-MUSIC 4(1,1)
Voice IV: PR: MVV 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVV 4640 CAH-MUSIC 2(2,0)
Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. *Odd Spring.*

MVV 5451 CAH-MUSIC 2(1,0)
Voice V: PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 4 times. *Fall, Spring.*



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MVV 5651 CAH-MUSIC 2(3,0)
Voice Pedagogy: PR: Graduate standing in Music or C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer. *Odd Spring.*

MVV 1211 CAH-MUSIC 1(0,1)
Secondary Flute: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in flute. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVV 1212 CAH-MUSIC 1(0,1)
Secondary Oboe: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in oboe. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVV 1213 CAH-MUSIC 1(0,1)
Secondary Clarinet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in clarinet. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVV 1214 CAH-MUSIC 1(0,1)
Secondary Bassoon: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bassoon. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVV 1215 CAH-MUSIC 1(0,1)
Secondary Saxophone: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in saxophone. Intended for non-music majors. May be repeated for credit. *Fall, Spring.*

MVV 1411 CAH-MUSIC 2(1,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVV 1412 CAH-MUSIC 2(1,1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVV 1413 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVV 1414 CAH-MUSIC 2(1,1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.* M&S fee \$20.00

MVV 1415 CAH-MUSIC 2(1,1)
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. *Fall, Spring.*

MVV 2421 CAH-MUSIC 2(1,1)
Flute II: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. *Fall, Spring.*

MVV 2422 CAH-MUSIC 2(1,1)
Oboe II: PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit. *Fall, Spring.*

MVV 2423 CAH-MUSIC 2(1,1)
Clarinet II: PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit. *Fall, Spring.*

MVV 2424 CAH-MUSIC 2(1,1)
Bassoon II: PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit. *Fall, Spring.* M&S fee \$20.00

MVV 2425 CAH-MUSIC 2(1,1)
Saxophone II: PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. *Fall, Spring.*

MVV 3431 CAH-MUSIC 2-3(1,1)
Flute III: PR: MVW 2421 and competence determined by faculty jury. Continued study of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVV 3432 CAH-MUSIC 2-3(1,1)
Oboe III: PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVV 3433 CAH-MUSIC 2-3(1,1)
Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVV 3434 CAH-MUSIC 2-3(1,1)
Bassoon III: PR: MVW 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVV 3435 CAH-MUSIC 2-3(1,1)
Saxophone III: PR: MVW 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVV 4441 CAH-MUSIC 4(1,1)
Flute IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVV 4442 CAH-MUSIC 4(1,1)
Oboe IV: PR: MVW 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVV 4443 CAH-MUSIC 4(1,1)
Clarinet IV: PR: MVW 3433 and competence determined by faculty jury. Intensive performance study of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVV 4444 CAH-MUSIC 4(1,1)
Bassoon IV: PR: MVW 3434 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVV 4445 CAH-MUSIC 4(1,1)
Saxophone IV: PR: MVW 3435 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. *Fall, Spring.*

MVV 5451 CAH-MUSIC 2(1,0)
Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVV 5452 CAH-MUSIC 2(1,0)
Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVV 5453 CAH-MUSIC 2(1,0)
Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVV 5454 CAH-MUSIC 2(1,0)
Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

MVV 5455 CAH-MUSIC 2(1,0)
Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. *Fall, Spring.*

NGR 5003 CON-NURS 2(2,0)
Advanced Health Assessment and Diagnostic Reasoning: PR: or CR: NGR 5141; CR: NGR 5003L. Admission to the M.S. in Nursing or Doctor of Nursing Practice program tracks or C.I. Concepts and skills of advanced health assessment over the lifespan. Application of the diagnostic reasoning process through differential diagnoses. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

NGR 5003L CON-NURS 1(0,1)
Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: or CR: NGR 5141; CR: NGR 5003. Admission to the M.S. in Nursing or Doctor of Nursing Practice tracks or C.I. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan Graded S/U. May be used in the degree program a maximum of 2 times. *Fall, Spring.* M&S fee \$45.00

NGR 5090 CON-NURS 3(3,0)
Urgent Care for the Advanced Practice Nurse: PR: NGR 6240 or C.I. Advanced practice evaluation and management of clients in urgent care settings. *Occasional.*

NGR 5141 CON-NURS 3(3,0)
Pathophysiological Bases for Advanced Nursing Practice: PR: Admission to M.S. in Nursing or Doctor of Nursing Practice program or C.I. Critical examination of the physiological and pathophysiological mechanisms affecting individuals. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

NGR 5638 CON-NURS 3(3,0)
Health Promotion: PR: Admission to M. S. in Nursing or Doctor of Nursing Practice or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

NGR 5660 CON-NURS 3(3,0)
Health Disparities: Issues and Strategies: PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different U.S. populations: data, research, programmatic issues, and strategies to close the gaps. May be used in the degree program a maximum of 2 times. *Occasional.*

NGR 5690 CON-NURS 3(3,0)
Interdisciplinary Care at End-of-Life: PR: Graduate status or C.I. Examination of interdisciplinary roles and strategies for enabling patients, families; and caregivers to approach end-of-life free from avoidable distress and suffering. May be used in the degree program a maximum of 2 times. *Fall.*

NGR 5720 CON-NURS 3(3,0)
Organizational Dynamics: PR: Baccalaureate degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. May be used in the degree program a maximum of 2 times. *Fall.*

NGR 5745 CON-NURS 1(1,0)
Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5883 and NGR 5891. Student must be in last or second to last semester of program. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. *Fall, Spring.*

NGR 5800 CON-NURS 3(3,0)
Theory for Advanced Practice Nursing: PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

NGR 5871 CON-NURS 3(3,0)
Health Care Informatics: PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. May be used in the degree program a maximum of 2 times. *Fall.*

NGR 5883 CON-NURS 1(1,0)
Cultural, Legal, Ethical, and Political Issues of Advanced Practice Nursing: PR: Admission to MSN program or C.I. Examine legal, ethical and political issues related to advanced practice nursing. *Fall, Spring.*

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NGR 5884 CON-NURS 3(3,0)
Legal and Professional Behavior in Advanced Practice Nursing: PR: Graduate standing and admission to the M.S. in Nursing or Doctor of Nursing Practice program. Examination of legal, ethical, cultural, and political issues related to professional advanced practice nursing. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

NGR 5891 CON-NURS 1(1,0)
Health Care Systems, Policy and Health Professionals: PR: Admission to the MSN program or C.I. Examine social responses to health and illness, health care systems and policies and the role of advanced practice nurses. *Fall, Spring.*

NGR 5894C CON-NURS 3(2,1)
International Perspectives of Global Health: PR: Graduate standing or C.I. An analysis of global health in comparison with that of USA and other nation's health care systems. *Occasional.*

NSP 1800 CON-NURS 3(3,0)
Nursing as a Profession: Professional nursing roles in contemporary society covering a range of topics using discourse methodology that forms a foundation for nursing and health care. *Fall.*

NSP 4335 CON-NURS 3(3,0)
Nursing Care of the High-Risk Newborn: PR: Admission to BSN program; successful completion of NUR 3445 & NUR 3445L, or C.I. for RN-BSN students. In depth study of pathophysiology, management and nursing care of high risk newborn, emphasizing care of the neonate and factors contributing to outcomes related to morbidity and mortality. *Occasional.*

NSP 4425 CON-NURS 3(3,0)
Women's Health Issues: PR: ENC 1102, Junior standing, or C.I. Factors and conditions impacting the health of women. May be repeated for credit. *Fall.*

NSP 4495 CON-NURS 3(3,0)
Emergency Department Nursing: PR: Completion of both the pharmacology and pathophysiology components of the student's current nursing program curriculum, and NUR 3225 or RN License/Eligibility or C.I. An overview of Emergency Department Nursing. Topics include scopes of practice, laws, economics, nursing care and management of emergent physiologic conditions in the emergency department setting. *Occasional.*

NSP 4550 CON-NURS 3(3,0)
Family and Interpersonal Violence: Perspectives for Nurses: PR: PSY 2012 or SYG 2000, and enrollment in a nursing program or C.I. Family and interpersonal violence education to increase effective nursing responses including: history, categories, cycles, laws, intervention, nursing resources, protocols and resources. *Occasional.*

NSP 4685 CON-NURS 3(3,0)
Death & Dying: Nursing Considerations: PR: Admission to the Nursing Program, RN licensure, or C.I. An in-depth look at issues encountered in nursing practice related to the process of death, dying, and end of life. *Occasional.*

NSP 4695 CON-NURS 3(3,0)
Forensic Nursing Principles and Practice: PR: NUR 3825 or NUR 3805 and completion of two semesters of a Nursing program or C.I. Forensic Nursing principles and practices applied to a variety of settings; an examination of the scope of practice of forensic nursing. *Occasional.*

NUR 3028 CON-NURS 2(2,0)
Essentials of Nursing Practice: PR: Admission to BSN program. CR: NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634 and NUR 3634L. Apply nursing process and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. *Fall.*

NUR 3028L CON-NURS 1(0,2)
Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634 and NUR 3634L. Lab to learn and apply scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. *Fall.* M&S fee \$45.00

NUR 3065 CON-NURS 2(2,0)
Health Assessment: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. *Fall, Spring.*

NUR 3065L CON-NURS 1(0,1)
Health Assessment Lab: CR: NUR 3065 and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. *Fall, Spring.* M&S fee \$15.00

NUR 3125 CON-NURS 3(3,0)
Pathophysiology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum. CR: Concurrent enrollment in NUR 3225; NUR 3225L; NUR 3145; NUR 3445; NUR 3445L. Concepts and nursing care applications of the pathophysiological basis of illness. *Fall.*

NUR 3145 CON-NURS 3(3,0)
Pharmacology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225, NUR 3225L; NUR 3125; NUR 3445; NUR 3445L. Principles of pharmacology and application to nursing practice. *Fall.*

NUR 3165 CON-NURS 3(3,0)
Nursing Research: PR: Admission to the BSN program; STA 2014C or 2023; for Basic program students: successful completion of the first semester; for RN to BSN students: NUR 3805 and RN status; or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. *Fall, Spring.*

NUR 3165H CON-NURS 3(3,0)
Honors Nursing Research: PR: Permission of honors; admission to nursing and completion of previous nursing courses; STA 2014C or 2023; co-requisites per the plan of study or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. With Honors content. *Occasional.*

NUR 3167 CON-NURS 1(2,0)
Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. Accelerated study of systematic approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. *Spring.*

NUR 3225 CON-NURS 3(3,0)
Nursing Care of the Adult I: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3125, NUR 3145; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. *Fall.*

NUR 3225L CON-NURS 2(0,6)
Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3445; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness, or chronic health problems. Graded S/U. *Fall.* M&S fee \$45.00

NUR 3445 CON-NURS 3(3,0)
Nursing Care of Families: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225 NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childbearing families. *Fall.*

NUR 3445L CON-NURS 2(0,6)
Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3125; NUR 3145; NUR 3445. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. *Fall.* M&S fee \$45.00

NUR 3634 CON-NURS 3(3,0)
Community Health Nursing: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. *Fall.*

NUR 3634L CON-NURS 2(0,6)
Community Health Nursing Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634. Clinical concepts of community health nursing focusing on community as client, and levels of prevention across the lifespan. Graded S/U. *Fall.* M&S fee \$45.00

NUR 3755L CON-NURS 2(0,6)
Essentials of Nursing Practice Clinical: PR: Admission to BSN Program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634 and NUR 3634L. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded S/U. *Fall.* M&S fee \$45.00

NUR 3795 CON-NURS 3(3,0)
Principles of Oncology Nursing: PR: C.I. or Junior standing. Basic principles and concepts in oncology. Focus on cancer as it affects individuals and families. Emphasis on cancer treatment, symptoms management and psychosocial response. *Occasional.*

NUR 3805 CON-NURS 3(3,0)
Dimensions of Professional Nursing Practice: PR: Nursing major/junior level or C.I.; ENC 1102. Theoretical bases of professional nursing practice for RN to BSN students. *Fall, Spring.*

NUR 3806 CON-NURS 1(1,0)
Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. *Spring.*

NUR 3825 CON-NURS 2(2,0)
The Role of the Professional Nurse: PR: Admission to the school of Nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. *Fall, Spring.*

NUR 3825H CON-NURS 2(2,0)
Honors The Role of the Professional Nurse: PR: Admission to BSN program. Role and function of the professional nurse, including professional standards, legal, and practice issues with honors content. *Fall.*

NUR 3826H CON-NURS 3(3,0)
Honors Bioethical and Legal Issues in Health Care: PR: Permission of Honors. Includes questions concerning human values, legal and ethical questions arising in health care delivery policy issues and professional practice among licensed health care professionals. *Occasional.*

NUR 3936 CON-NURS 3(2,2)
International Perspectives of Nursing and Health Care: PR: Enrolled in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care systems in the United States and selected countries. May be repeated for credit. *Occasional.*

NUR 4177 CON-NURS 3(3,0)
Holistic Nursing: Explore lived experience of health-wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. *Occasional.*



NUR 4178 CON-NURS 3(3,0)
Complementary & Alternative Therapies: Options for Integrative Nursing Practice: PR: Junior or senior undergraduate standing in nursing, or C.I. History, principles, techniques, outcomes, and research of complementary and alternative therapies (CAM). Concepts of wellness, healing and integrative practice from nursing and consumer perspectives. *Occasional.*

NUR 4197 CON-NURS 3(3,0)
Genetics and Genomics in Nursing Practice: PR: NUR 3125, RN Licensure, or C.I. The application of genetics and genomic principles to clinical nursing practice. *Occasional.*

NUR 4227 CON-NURS 4(4,0)
Nursing Care of the Adult II: PR: Admission to the BSN program, CR: successful completion of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4535; NUR 4535L; or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. *Spring.*

NUR 4227L CON-NURS 3(0,3)
Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program, CR: successful completion of the first three semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4535L; or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. *Spring.*

NUR 4257 CON-NURS 3(3,0)
Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. *Spring.*

NUR 4286 CON-NURS 3(3,0)
Gerontologic Nursing: PR: NUR 4286 or RN status or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. *Occasional.*

NUR 4340 CON-NURS 3(3,0)
Obesity in Children and Adolescents: Nursing Management: PR: Junior or senior undergraduate standing in nursing, or C.I. Examines multiple factors that predispose children and adolescents to obesity; explores nursing management and public health and policy strategies for prevention and treatment. *Occasional.*

NUR 4493 CON-NURS 3(3,0)
Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN licensure, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. *Occasional.*

NUR 4516 CON-NURS 3(3,0)
Crisis Intervention: PR: Completion of PSY 2012, SYG 2000 or ANT 2000. Crisis theory and techniques; recognition and intervention in crisis events. Applicable to all areas of nursing and all helping professions. *Occasional.*

NUR 4535 CON-NURS 3(3,0)
Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. *Fall, Spring.*

NUR 4535L CON-NURS 2(0,6)
Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535; NUR 4227; NUR 4227L. Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Graded S/U. *Fall, Spring.*

NUR 4604L CON-NURS 4(0,12)
Practicum in Community and Public Health Nursing for RNs: PR: NUR 3634. CR: NUR 4837, NUR 4827, and NUR 4637. Synthesis of theories and concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting, and directed toward professional role development. Graded S/U. *Fall, Spring.*

NUR 4637 CON-NURS 2(2,0)
Public Health Nursing: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L Nursing Practicum; NUR 4637L; NUR 4257. Concepts of public health nursing focusing on population-based health care delivery systems. *Fall, Spring.*

NUR 4637L CON-NURS 1(0,3)
Public Health Nursing Clinical: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L; NUR 4637; NUR 4257. Clinical Course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4637 Public Health Nursing. Graded S/U. *Fall, Spring.*

NUR 4675 CON-NURS 3(3,0)
Issues in Rural Health Care: PR: NUR 3065 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. *Occasional.*

NUR 4760 CON-NURS 3(3,0)
Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across healthcare settings, from acute care to home care. *Occasional.*

NUR 4765 CON-NURS 3(3,0)
Rehabilitation Nursing: Principles and Practice: PR: Admission to the nursing program, or RN license, or C.I. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. *Occasional.*

NUR 4827 CON-NURS 3(3,0)
Leadership and Management Principles: PR: NUR 3805, RN Status or C.I. Scientific theories and principles of leadership and management needed to function in leadership, management, and teaching roles in professional nursing. Application of decision making process. *Fall, Spring.*

NUR 4828 CON-NURS 3(3,0)
Nursing Leadership, Management and Role Transition: PR: Admission to the BSN or the RN-BSN program, and concurrent enrollment in NUR 4945L or NUR 4604L or C.I. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on principles of leadership and management applied to health care settings. *Fall, Spring.*

NUR 4828H CON-NURS 3(3,0)
Honors Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. *Spring.*

NUR 4829 CON-NURS 3(3,0)
Accelerated Transitioning into Professional Practice as a Leader: PR: or CR: NUR 4945L or C.I. Application of leadership and management principles to the beginning role of the professional nurse. *Occasional.*

NUR 4837 CON-NURS 3(3,0)
Health Care Issues, Policy, and Economics: PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community. *Fall, Spring.*

NUR 4837H CON-NURS 3(3,0)
Honors Health Care Issues, Policy, and Economics: PR: Permission of Honors; Admission to BSN program; completed first & second semester BSN curriculum course work; or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community with honors content. *Occasional.*

NUR 4906 CON-NURS Variable
Independent Study: Directed Study. Graded S/U or Letter grade. May be repeated for credit. *Occasional.*

NUR 4907H CON-NURS 3(3,0)
Honors Directed Reading/Research: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded S/U or Letter grade. *Occasional.*

NUR 4942L CON-NURS 3(0,3)
Nursing Practicum for International Students: PR: C.I. In-depth study of clinical nursing practice for international students. Graded S/U. May be used in the degree program a maximum of 2 times. *Occasional.*

NUR 4945L CON-NURS 4(0,4)
Nursing Practicum: PR: Admission to the BSN program; STA 2014C or 2023; for Basic program successful completion of the first three semesters; for RN to BSN students; NUR 3805 and RN status or C.I. Designed to enhance student's knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. *Spring.*

NUR 4971H CON-NURS 1-3(1-3,0)
Honors Thesis or Project Works: PR: Permission of Honors. Faculty mentoring through the process of writing and defending the Honors Thesis or Project. May be taken the second time for 1-3 credit hours. May be used in the degree program a maximum of 2 times. *Occasional.*

OCE 3008 COS-BIOL 3(3,0)
Oceanography: PR: CHM 2045C and CHM 2046, and a "C" (2.0) or better in BSC 2010C. Biological, physical and chemical oceanography. *Occasional.*

OSE 3052 OPT-OPT 3(3,0)
Introduction to Photonics: PR: MAP 2302. Introduction to light as rays, waves, and photons. Optical fibers. Interference and diffraction. Polarization. Image formation. LEDs and lasers. Detectors. Optical systems (cameras, scanners, sensors). *Fall.*

OSE 3052L OPT-OPT 1(0,1)
Introduction to Photonics Laboratory: PR: MAP 2302, CR: OSE 3052. Laboratory experiments introducing geometrical and physical optics. Image formation. Fiber transmission. Laser beams. Interferometers. Optical systems (cameras, scanners, sensors). Polarization devices. *Fall.* M&S fee \$15.00

OSE 3053 OPT-OPT 3(3,0)
Electromagnetic Waves for Photonics: PR: EEL 3470 and OSE 3052, or C.I. Electromagnetic theory of light. Fresnel reflection and refraction. Polarization and crystal optics. Metallic and dielectric waveguides. *Spring.*

OSE 3490 OPT-OPT 3(3,0)
Nanophotonics: PR: PHY 2049C or C.I. Optical/ photonic processes on nano scale and interactions with elements of physics & engineering. *Occasional.*

OSE 4240 OPT-OPT 3(3,0)
Optics & Photonics Design: PR: OSE 3052. Analysis and design of optical and photonic systems. Assessment of image quality using optical design software. Simulation of integrated-optic systems using photonic design software. *Spring.*

OSE 4410 OPT-OPT 3(3,0)
Optoelectronics: PR: EEE 3307C, OSE 3052. Introduction to the principles and design of semiconductor optoelectronic devices including photodiodes, solar cells, light-emitting diodes, laser diodes, and CCDs. Applications include photovoltaics, displays, imaging. *Spring.*

OSE 4410L OPT-OPT 1(0,1)
Optoelectronics Laboratory: CR: OSE 4410. Experiments in the basics of semiconductor optoelectronic devices including photodiodes, light-emitting diodes, laser diodes, CCDs. Applications include solar cells, displays, photodetection, and optical communications. *Spring.* M&S fee \$18.00

OSE 4470 OPT-OPT 3(3,0)
Fiber-Optic Communications: PR: EEL 3123C and OSE 3052. Introduction to the principles and design of fiber-optic communication systems including the integrated-optic and optoelectronic devices used in transmitters and receivers. *Fall.*



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OSE 4470L OPT-OPT 1(0,1)
Fiber-Optic Communications Laboratory: CR: OSE 4470. Laboratory experiments covering the optical fiber as a communication channel, couplers, transmitters and receivers using optoelectronic devices, multiplexing, and overall systems performance. *Fall*. M&S fee \$16.00

OSE 4520 OPT-OPT 3(3,0)
Laser Engineering: PR: OSE 3052 or PHY 4424 or EEL 4440. The photon nature of light. Absorption and spontaneous and stimulated emission of light. Fluorescence. Optical amplifiers. Optical resonators. Lasers. Pulsed lasers. Nonlinear optical wave conversion. *Spring*.

OSE 4520L OPT-OPT 1(0,1)
Laser Engineering Laboratory: CR: OSE 4520. Experiments highlighting basic laser phenomena. Absorption, spontaneous and stimulated emission. Fluorescence. Optical amplifiers. Optical resonators. Lasers. Continuous wave and pulsed lasers. Nonlinear optical wave conversion. *Spring*. M&S fee \$15.00

OSE 4720 OPT-OPT 3(3,0)
Visual Optics: PR: OSE 3052. Optics of the human eye and color vision. Optical and neural processing of spatial, temporal, and color information. Detection, discrimination, and recognition. Color science. *Spring*.

OSE 4721 OPT-OPT 3(3,0)
Biophotonics: PR: OSE 3052. This course is an introduction to photobiology (interaction of light with biological matter), tissue optics, light-induced cellular processes, optical biosensors, and cellular and molecular imaging. *Fall*.

OSE 4830 OPT-OPT 3(3,0)
Imaging and Display: PR: EEL 3123C, OSE 3052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic, and hyperspectral systems. Applications to remote sensing, biology, and medicine. *Spring*.

OSE 4830L OPT-OPT 1(0,1)
Imaging and Display Laboratory: CR: OSE 4830, EEL 3123C, OSE 3052. Laboratory experiments introducing imaging systems. 2D gazing and scanning systems. Interferometer metrology. Optical coherence tomography. Spectroscopy and spectral imaging. Display systems. *Spring*. M&S fee \$14.00

OSE 4911 OPT-OPT 3(3,0)
Senior Design I: PR: Sr. Standing. Development of the technical, communication, and team skills for successful design of optical and photonic systems. Preparation of project proposals for Senior Design II. *Fall*.

OSE 4912 OPT-OPT 3(3,0)
Senior Design II: PR: Sr. Standing, OSE 4911. Execution of project developed in OSE 4911, including complete project design review, prototyping, construction, testing, cost, functionality, demonstration, presentation, and reporting. Emphasis on team effort. *Spring*.

OSE 4930 OPT-OPT 2(2,0)
Frontiers of Optics and Photonics: PR: OSE 3052, PHY 4424, EEL 4440, Sr. Standing. Introduction to recent advances in optics & photonics, to ethical issues, and to effective communication appropriate to the field of optics & photonics. *Fall*.

OSE 5041 OPT-OPT 3(3,0)
Introduction to Wave Optics: PR: EEL 4440 or PHY 4424 or C.I. Electromagnetic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. *Occasional*.

OSE 5203 OPT-OPT 3(3,0)
Geometrical Optics and Imaging Systems: PR: Graduate standing or C.I. Fundamentals of Geometrical Optics, Geometrical Theory of Image Formation, Optical System Layout, Radiometry. *Fall, Spring*.

OSE 5312 OPT-OPT 3(3,0)
Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials; classical and quantum mechanical description of optical properties. *Fall, Spring*.

OSE 5313 OPT-OPT 3(3,0)
Materials for Optical Systems: PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. *Occasional*.

OSE 5414 OPT-OPT 3(3,0)
Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices including quantum well semiconductor devices. *Fall*.

OSE 5630C OPT-OPT 3(2,1)
Thin Film Optics: PR: PHY 4424 or EEL 4440 and OSE 5041 or OSE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. *Occasional*.

PAD 3003 HPA-PUB 3(3,0)
Public Administration in American Society: PR: POS 2041 or C.I. An examination of the basic environment, culture, and organization of public administration in the United States. *Fall, Spring*.

PAD 3040 HPA-PUB 3(3,0)
Ethics and Values in Public Administration: PR: Junior standing or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value framework to act ethically. *Occasional*.

PAD 3330 HPA-PUB 3(3,0)
Urban and Regional Planning: PR: Junior standing or C.I. Planning topics such as land-use, and comprehensive and urban planning as they relate to the physical aspects of the natural and human environment. *Fall, Spring*.

PAD 3733 HPA-PUB 3(3,0)
Professional Administrative Writing in the Public Sector: PR: ENC 1102 or C.I. Professional and technical writing for the field of public administration. *Fall, Spring*.

PAD 3930 HPA-HPA 1(1,0)
Nonprofit Leadership Seminar: PR: Declared Nonprofit Management minor and Junior standing and ENC 1102. Discussion and activity based course exploring nonprofit competencies to prepare students for management and leadership positions in human services. Student Association activities included. May be used in the degree program a maximum of 3 times. *Fall, Spring*.

PAD 4034 HPA-PUB 3(3,0)
The Administration of Public Policy: PR: (ECO 2013 or ECO 2023) or (Public Administration minor and Senior Standing). Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interplay between social values, policies and administration. *Fall, Spring*.

PAD 4104 HPA-PUB 3(3,0)
Administrative Theory: PR: Junior Standing or C.I. A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. *Fall, Spring*.

PAD 4131 HPA-PUB 3(3,0)
Public Sector Project Management: Various approaches to managing projects, including using scheduling techniques such as GANTT, CPM, and PERT, as well as team building, facilitating, and leadership skills. *Occasional*.

PAD 4144 HPA-PUB 3(3,0)
Nonprofit Organizations: PR: Junior standing and have declared Nonprofit Minor or Certificate or C.I. The operations of nonprofit organizations, including working with board of directors, volunteer services, fund-raising and grantsmanship, financial management and marketing. *Fall, Spring*.

PAD 4147 HPA-PUB 3(3,0)
Resource Development in the Nonprofit Sector: PR: Junior status and have declared Nonprofit minor or certificate or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. *Fall*.

PAD 4148 HPA-PUB 3(3,0)
Volunteer Management: PR: Junior status and have declared Nonprofit Minor or Certificate or C.I. Examination of recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. *Spring*.

PAD 4153 HPA-PUB 3(3,0)
Planning and Improvement for Public Organizations: PR: Junior Standing or C.I. Prepare future leaders for the changing paradigms of the public sector by providing education in a variety of quality related areas. *Fall*.

PAD 4204 HPA-PUB 3(3,0)
Fiscal Management: PR: C.I. Analysis of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. *Fall, Spring*.

PAD 4223 HPA-PUB 3(3,0)
Public Budgeting: Skills and Techniques: PR: PAD 4204 or C.I. Analytical skills and administrative techniques employed by public budget analysis, focusing on the process of generating and using information. *Occasional*.

PAD 4253 HPA-PUB 3(3,0)
Community & Economic Development: PR: PAD 3003 or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. *Fall*.

PAD 4325 HPA-PUB 3(3,0)
Program Evaluation for Public and Nonprofit Organizations: PR: Junior standing and (declared nonprofit minor or declared Nonprofit certificate or Public Administration major) or C.I. To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program. *Spring*.

PAD 4331 HPA-PUB 3(3,0)
Land Use and Planning: PR: PAD 3330 or C.I. The study of land use and planning to include zoning variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. *Fall*.

PAD 4334 HPA-PUB 3(3,0)
Urban Design: CR: PAD 3330 or C.I. Theories and concepts of the physical, cultural, social and financial factors associated with urban design. *Spring*.

PAD 4351 HPA-PUB 3(3,0)
Issues in Environmental Program Management: CR: PAD 3330. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. *Spring*.

PAD 4371 HPA-PUB 3(3,0)
Community Resiliency & Sustainability: PR: (ENC 1102 & Sophomore Standing) or C.I. Issues of community resiliency & sustainability specific to emergency & crisis management. Includes coverage of public policy & management, urban planning & development, and community sociology. *Occasional*.

PAD 4390 HPA-PUB 3(3,0)
Hazard Mitigation and Preparedness: PR: (Junior standing and a declared EMHS minor) or C.I. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. *Fall*.

PAD 4392 HPA-PUB 3(3,0)
Emergency Management and Homeland Security: PR: (Junior Standing and a declared EMHS minor) or C.I. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services. *Fall*.

PAD 4395 HPA-PUB 3(3,0)
Disaster Response and Recovery: PR: Junior Standing and a declared EMHS minor or C.I. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and complex dynamics of the recovery process are emphasized. *Spring*.



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PAD 4414 HPA-PUB 3(3,0) Human Resource Administration: PR: Junior standing. The history, operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. <i>Fall, Spring.</i>	PAD 5146 HPA-PUB 3(3,0) Nonprofit Resource Development: PR: Admission to master of Nonprofit Management degree, Nonprofit Certificate or C.I. Examines human resource development and financial resource development in nonprofit organizations including management issues. <i>Fall, Spring.</i>	PCB 3023 COS-BIOL 3(3,0) Molecular Cell Biology: PR: CHM 2210 and a "C" (2.0) or better in both BSC 2010C and PCB 3063, or C.I. Structure and function of eukaryotic cells including bioenergetics, protein structure and function, chromosome structure, DNA repair and recombination, membrane structure and transport, intracellular vesicle trafficking, cell signaling, apoptosis and cell cycle control and organization and functions of the cytoskeleton and extracellular matrix. <i>Fall, Spring.</i>
PAD 4446 HPA-PUB 3(3,0) Multiculturalism in Public Administration: PR: Junior Standing or C.I. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. <i>Occasional.</i>	PAD 5336 HPA-PUB 3(3,0) Introduction to Urban Planning: Issues of urbanization, regional development, land use and comprehensive planning, environmental planning, and social planning. <i>Fall.</i>	PCB 3044 COS-BIOL 3(3,0) Principles of Ecology: PR: CHM 2045C or CHM 2041, and a "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Elements of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development. <i>Fall.</i>
PAD 4510 HPA-PUB 3(3,0) Privatization: PR: PAD 3003 or C.I. Analysis of the process of privatizing existing governmental services, including: privatization decision, creation of RFP or ITB, contract award and contract management. <i>Occasional.</i>	PAD 5337 HPA-PUB 3(3,0) Urban Design: Planning techniques such as planned unit developments, capital improvements planning, and growth management, and planning methods, including needs assessment and graphic design. <i>Fall.</i>	PCB 3044L COS-BIOL 1(0,3) Principles of Ecology Laboratory: PR: or CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. <i>Fall.</i>
PAD 4712 HPA-PUB 3(3,0) Information Systems for Public Managers and Planners: PR: PAD 3330 or C.I. Knowledge and skills concerning information technologies important for planners and public managers, including use of GIS to manipulate and analyze spatial data. <i>Spring.</i>	PAD 5338 HPA-PUB 3(3,0) Land Use and Planning Law: Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. <i>Spring.</i>	PCB 3063 COS-BIOL 3(3,0) Genetics: PR: CHM 2046 and a "C" (2.0) or better in BSC 2010C, or C.I. Basic principles of heredity as applied to prokaryotes and eukaryotes. <i>Fall, Spring.</i>
PAD 4720 HPA-PUB 3(3,0) Survey Research in Public Administration: Introduction to the concepts, design, methodology, computer applications, and data analysis in applied research in the public sector. <i>Fall, Spring.</i>	PAD 5356 HPA-PUB 3(3,0) Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. <i>Spring.</i>	PCB 3063H COS-BIOL 3(3,0) Honors Genetics: PR: CHM 2046 and a "C" (2.0) or better in BSC 2010C, or C.I., and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. <i>Occasional.</i>
PAD 4803 HPA-PUB 3(3,0) Issues in Urban Administration: CR: PAD 3330 or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. <i>Occasional.</i>	PAD 5425 HPA-PUB 3(3,0) Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. <i>Occasional.</i>	PCB 3063L COS-BIOL 1(0,3) Genetics Laboratory: PR: or CR: PCB 3063 or C.I. Introduction to laboratory techniques of genetics. <i>Fall, Spring.</i> M&S fee \$28.00
PAD 4822 HPA-PUB 3(3,0) Intergovernmental Administration: Various approaches to studying and explaining the American Intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. <i>Fall.</i>	PAD 5427 HPA-PUB 3(3,0) Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process. <i>Occasional.</i>	PCB 3233 COM-M&M 3(3,0) Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immuno therapy. <i>Fall.</i>
PAD 4941 HPA-PUB 3-6(0,6) Public Administration Internship: PR: Junior Standing and Public Administration major. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded S/U. <i>Occasional.</i>	PAD 5807 HPA-PUB 3(3,0) Local Government Operations: Operational Functions of municipal and county governments and the role of the chief executive officer. <i>Occasional.</i>	PCB 3233L COM-M&M 1(0,3) Immunology Laboratory: CR: PCB 3233. Introduction to laboratory techniques in immunology. <i>Fall, Spring.</i> M&S fee \$45.00
PAD 4948 HPA-PUB 3(0,20) Nonprofit Management Internship: PR: Junior standing; and enrollment in nonprofit minor; and completion or concurrent enrollment in at least one credit hour of PAD 3930. Supervised internship to demonstrate AH identified competencies for students in American Humanities certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. <i>Fall, Spring.</i>	PAD 5850 HPA-PUB 3(3,0) Grant and Contract Management: PR: Admission to the Master of Nonprofit Management degree, Nonprofit certificate or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. <i>Fall, Spring.</i>	PCB 3343L COS-BIOL 2-5(0,6-15) Principles of Field Ecology: PR: BSC 2011C, PCB 3044 or C.I. Applied study of biodiversity, ecology and conservation through field trips, field research and/or lectures. Emphasis and location varies by instructor. May be repeated for credit only when course content is different. <i>Occasional.</i>
PAD 5041 HPA-PUB 3(3,0) Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. <i>Occasional.</i>	PAF 2102 HPA-HPA 2(2,0) Public Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. <i>Fall.</i>	PCB 3354 COS-BIOL 3(3,0) Tropical Ecology and Conservation: PR: PCB 3044 with a grade of "C" (2.0) or better, or C.I. Geography, ecology, and environmental problems encountered in various tropical ecosystems with particular emphasis towards terrestrial systems in tropical rainforests. <i>Occasional.</i>
PAD 5060 HPA-PUB 3(3,0) Administrative Practice in the Public Sector: The application of various theoretical concepts to the "real world" of public administration. Policy formulation and execution are examined through the case study mode. <i>Occasional.</i>	PAF 3850H HPA-HPA 3(3,0) Honors Research Methods in Health and Public Affairs: PR: Participating in University Honors or Honors in the Major and junior standing. Applied research methods in fields of Criminal Justice, Nursing, Health Professions, Public Administration, and Social Work. With honors content. <i>Occasional.</i>	PCB 3355L COS-BIOL 2(0,2) Tropical Marine Biology: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Intensive, one week field course at an institute of marine science. Diving/snorkeling will be used extensively to study organisms on pristine coral reefs. <i>Occasional.</i>
PAD 5145 HPA-PUB 3(3,0) Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree, Nonprofit certificate or C.I. Volunteer development in nonprofit organizations, including board selection, development and leadership, volunteer recruitment, training, retention and theories of motivation, leadership, ethical issues. <i>Fall, Spring.</i>	PAF 4754 HPA-PUB AFF 3(3,0) Interdisciplinary Leadership in Public Affairs: PR: Junior Standing and ENC 1101 or C.I. Global public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partnerships, and social change. <i>Occasional.</i>	PCB 3442 COS-BIOL 3(3,0) Aquatic Ecology: PR: A minimum grade of "C" (2.0) in both BSC 2010C and BSC 2011C, or C.I. An introduction to aquatic ecology of Florida with emphasis on ponds, lakes, streams, and rivers. <i>Occasional.</i>
	PAZ 4234 COS-BIOL 3(3,0) Zoo and Aquarium Management: PR: A "C" (2.0) or better in both PCB 3044 and PCB 3063, or C.I. Conservation, propagation and exhibition of wild animals in captivity. <i>Occasional.</i>	PCB 3522 COM-M&M 3(3,0) Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. <i>Fall, Spring.</i>
	PAZ 5235 COS-BIOL 3(3,0) Zoo and Aquarium Biology Management: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Conservation, propagation and exhibition of wild animals in captivity. <i>Occasional.</i>	PCB 3703C COM-M&M 4(3,3) Human Physiology: PR: BSC 2010C, CHM 1032 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. <i>Fall, Spring.</i> M&S fee \$70.00

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PCB 3703C COM-M&M 4(3,3)
Honors Human Physiology: PR: BSC 2010C, CHM 2046 and consent of Honors College. The physiology and interrelationships of organ systems of the human body. With honors level content. *Fall*.

PCB 4028 COM-M&M 3(3,0)
Molecular and Cellular Pharmacology: PR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. *Spring*.

PCB 4174 COM-M&M 3(3,0)
Foundation of Bio-Imaging Science: PR: BSC 2010C, CHM 2045C, CHM 2210, MAC 2311C, PHY 2049. Fundamental theory, design, and practice of modern bio-imaging techniques applicable for basic biomedical research. *Occasional*.

PCB 4234 COM-M&M 3(3,0)
Cancer Biology: PR: PCB 3522 or PCB 3023. Current knowledge and research on molecular mechanism of tumor development, tumor progression, metastasis and therapy of cancer. *Occasional*.

PCB 4264 COM-M&M 3(3,0)
Stem Cell Biology: PR: PCB 3522 or PCB 3023. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. *Occasional*.

PCB 4280 COM-M&M 3(3,0)
Molecular Immunology: PR: PCB 3522. Advanced understanding of the workings of the immune system, correlating cellular and molecular mechanisms with clinical cases. *Spring*.

PCB 4353 COS-BIOL 3(3,0)
Florida Natural History: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Florida's ecology, past and present flora and fauna, and naturalists who visited the state. *Occasional*.

PCB 4514 COS-BIOL 3(3,0)
Genetics II: PR: A minimum grade of "B" (3.0) in PCB 3063, or C.I. Advanced topics in genetics and epigenetics including genome organization, gene regulation, chromosome mutation, developmental genetics and the effect of environment on phenotype. *Even Fall*.

PCB 4521 COM-M&M 3(3,0)
Tissue Engineering: PR: MCB 3020C or CHM 2045C. Tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell-biomaterial interactions. *Occasional*.

PCB 4524 COM-M&M 3(3,0)
Molecular Biology II: PR: PCB 3522. The processes regulating gene function in prokaryotes and eukaryotes; specialized genetic aspects underlying multi-cellular existence, DNA evolution. *Spring*.

PCB 4524H COM-M&M 3(3,0)
Honors Molecular Biology II: PR: Permission of Honors and PCB 3522. Same as PCB 4524 with honors level content. *Spring*.

PCB 4529 COM-M&M 3(3,0)
Experimental Molecular Biology: PR: PCB 3522, CR: PCB 4524. Facilitation of experimental data that leads to the development and understanding of the underlying principles of molecular biology. *Spring*.

PCB 4663 COM-M&M 3(3,0)
Human Genetics: PR: PCB 3522 or PCB 3023. Topics include the principles of genetics as applied in humans, human hereditary disorders, and the impact of genetics and technology on medicine and medical practices. *Spring*.

PCB 4678 COS-BIOL 3(3,0)
Evolution and Medicine: PR: A "B" (3.0) or better in PCB 4683, or C.I. Evolutionary theory and perspectives to investigate problems in human health and disease. *Odd Fall*.

PCB 4683 COS-BIOL 4(4,0)
Evolutionary Biology: PR: A grade of "C" (2.0) or better in PCB 3044 and PCB 3063 or C.I. Demographic and genetic structure of populations and their relationship to speciation, adaptation, and macroevolutionary processes in plants and animals. *Fall, Spring*.

PCB 4683L COS-BIOL 1(0,2)
Evolutionary Biology Lab: PR: or CR: PCB 4683. Reading, problem solving and discussion on current topics in evolutionary biology. *Fall, Spring*. M&S fee \$3.00

PCB 4684 COS-BIOL 3(3,0)
Population Genetics: PR: A "C" (2.0) or better in both PCB 3063 and PCB 4683, or C.I. Field of population genetics and the study of the various forces that result in evolutionary changes through time. *Even Spring*.

PCB 4708L COM-M&M 3(0,6)
Laboratory Virtual Simulations in Physiology: PR: PCB 3703C or ZOO 3733C. Conduct experiments in physiology that enhance the ability to design, collect, analyze data and report results in a scientific manner. *Occasional*.

PCB 4723 COS-BIOL 4(4,0)
Animal Physiology: PR: A "C" (2.0) or better in PCB 3023, or C.I. Functions of body processes occurring in animals, with emphasis on vertebrate physiology. *Fall*.

PCB 4802 COS-BIOL 3(3,0)
Comparative Endocrinology: PR: A "C" (2.0) or better in both PCB 3023 and PCB 3044, or C.I. Hormonal regulation of an animal's physiological responses to environmental changes. *Occasional*.

PCB 4805 COM-M&M 3(3,0)
Endocrinology: PR: PCB 3703C or equivalent; CHM 2211. Mechanisms of action of hormones; interrelationship between the nervous and endocrine systems. *Occasional*.

PCB 4813 COM-M&M 3(3,0)
Molecular Aspects of Obesity, Diabetes & Metabolism: PR: PCB 3522 or BCH 4053. Advanced topics of physiological processes at the cellular, molecular and system level. *Spring*.

PCB 4832 COM-M&M 3(3,0)
Cellular and Molecular Basis of Brain Functions: PR: PCB 3522, PCB 3703C, ZOO 3733C. Designed to provide advanced undergraduate students the concepts required to understand the physiological basis of brain functions at the molecular, cellular and system levels. *Fall*.

PCB 4833 COM-M&M 3(3,0)
Advanced Human Physiology: PR: PCB 3522, PCB 3703C, ZOO 3733C. Advanced topics of physiological processes at the cellular, molecular and system levels. *Fall*.

PCB 4843 COM-M&M 3(3,0)
Cellular and Molecular Neuroscience: PR: ZOO 3744. An advanced and thorough course providing understanding of the cellular components and molecular signaling pathways involved in the nervous system function. *Spring*.

PCB 5025 COM-M&M 3(3,0)
Molecular and Cellular Pharmacology: PR: Graduate standing, PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. *Spring*.

PCB 5045 COS-BIOL 4(4,0)
Conservation Biology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Scientific basis of conservation; conservation of ecosystems, populations, exploited species, and endangered species. *Fall*. M&S fee \$15.00

PCB 5235 COM-M&M 3(3,0)
Molecular Immunology: PR: PCB 3522 or equivalent. Fundamental functions of the human immune system, focusing on cellular and molecular aspects of the innate and adaptive immune response. *Spring*.

PCB 5236 COM-M&M 3(3,0)
Cancer Biology: PR: PCB 4524 and graduate standing. Current knowledge and research on molecular mechanism of tumor development, tumor progression, metastasis and therapy of cancer. *Occasional*.

PCB 5238 COM-M&M 3(3,0)
Immunobiology: PR: PCB 3233, PCB 4280. Advanced topics in immune system dysregulation with special emphasis on innate immunity. *Spring*.

PCB 5265 COM-M&M 3(3,0)
Stem Cell Biology: PR: Graduate standing. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. *Occasional*.

PCB 5275 COM-M&M 3(3,0)
Signal Transduction Mechanics: PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalian cells to control growth and differentiation. Discussion of original research papers will occur. *Occasional*.

PCB 5326C COS-BIOL 5(3,2)
Ecosystems of Florida: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Ecosystems of Florida will be discussed to include geography, geology, climate, energetics, nutrient cycling, community structure and conservation. *Occasional*. M&S fee \$15.00

PCB 5435C COS-BIOL 4(2,6)
Marine Ecology of Florida: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Survey of experimental methods used in the study of marine communities in central and southern Florida, combining field manipulation and readings from primary literature. *Odd Spring*. M&S fee \$45.00

PCB 5485 COS-BIOL 3(3,0)
Models in Ecology: PR: PCB 3044, MAC 2311C (or equivalent), and graduate status or senior standing or C.I. A survey of how simulation models are applied to ecological questions of both a theoretical and managerial nature. *Occasional*. M&S fee \$15.00

PCB 5527 COM-M&M 3(3,0)
Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4524 or C.I. Principles of Genetic Engineering/Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems, Plants, including human gene therapy, novel pharmaceuticals, recombinant proteins will be discussed in depth. *Fall*.

PCB 5596 COM-M&M 3(3,0)
Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. *Fall*.

PCB 5665C COS-BIOL 4(3,2)
Human Genetics: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Human Genetics provides a theoretical framework for understanding the biology of the human species. *Occasional*. M&S fee \$15.00

PCB 5687 COS-BIOL 3(3,0)
Evolutionary Ecology: PR: PCB 4683 or equivalent and C.I. Evolution of life history traits (e.g., propagule size/number, age/size at maturity, survivorship and senescence) examined using a quantitative genetic framework. *Even Fall*.

PCB 5709C COM-M&M 3(1,2)
Laboratory Virtual Simulations in Physiology: CR: PCB 5834C Advanced Human Physiology. Conduct experiments in physiology that enhance the ability to design, collect, analyze data and report results in a scientific manner. *Occasional*.

PCB 5807 COS-BIOL 3(3,0)
Comparative Endocrinology: PR: PCB 3023 and PCB 3044 or equivalent and C.I. Hormonal regulation of animal behavior and physiological responses to the environment. *Even Fall*.

PCB 5815 COM-M&M 3(3,0)
Molecular Aspects of Obesity, Diabetes & Metabolism: PR: PCB 3522 or BCH 4053 or BSC 6432. Biochemical, molecular and physiological aspects of obesity, diabetes and metabolic diseases and how scientific findings can be translated towards prevention and treatment. *Odd Spring*.

PCB 5834C COM-M&M 4(3,2)
Advanced Human Physiology: PR: Graduate standing or C.I. Designed to provide graduate students advanced knowledge of physiological processes at the cellular, molecular and system levels. *Fall*.



PCB 5837 COM-M&M 3(3,0)
Cellular and Molecular Neuroscience: PR: Graduate standing. An advanced and thorough course providing understanding of the cellular components and molecular signaling pathways involved in the nervous system function. *Spring.*

PCB 5838 COM-M&M 3(3,0)
Cellular and Molecular Basis of Brain Functions: PR: Graduate Standing or C.I. Designed to provide graduate students the concepts required to understand the physiological basis of brain functions at the molecular, cellular and system levels. *Fall.*

PCB 5935 COS-BIOL 3(3,0)
Population Genetics: PR: Admission to the M.S. Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Population genetics and the study of the various forces that result in evolutionary changes through time. *Even Spring.*

PCO 4203C COS-PSYCH 3(3,1)
Interviewing and Counseling: PR: PSY 2012. A review of various interviewing and counseling theories and techniques used in Mental Health settings as well as practical experience in interviewing and counseling procedures. *Fall, Spring.*

PEL 2011 ED-CFCS 2(1,1)
Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. *Occasional.*

PEL 2111 ED-CFCS 2(1,1)
Bowling: Fundamentals of bowling techniques and the development of skills based on those fundamentals. *Occasional.*

PEL 2112 ED-CFCS 2(1,1)
Intermediate Bowling: PR: PEL 2111, bowling experience, or average of 140 verification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. *Occasional.*

PEL 2121 ED-CFCS 2(1,1)
Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. *Fall, Spring.*

PEL 2122 ED-CFCS 2(1,1)
Intermediate Golf: PR: PEL 2121 or equivalent competency. A study of performance and application of intermediate skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. *Occasional.*

PEL 2341 ED-CFCS 2(1,1)
Beginning Tennis: Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. *Occasional.*

PEL 2342 ED-CFCS 2(1,1)
Intermediate Tennis: PR: PEL 2341 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. *Occasional.*

PEL 2640 ED-CFCS 2(1,1)
Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. *Occasional.*

PEM 2101 ED-CFCS 2(1,1)
Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. *Fall, Even Spring.*

PEM 2104 ED-CFCS 3(2,1)
Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. *Fall, Spring.*

PEM 2121C ED-CFCS 3(1,3)
Yoga: Performance and application of a series of basic movement, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focused and centered. *Fall, Spring.*

PEM 2127C ED-CFCS 2(1,1)
Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. *Occasional.*

PEM 2131 ED-CFCS 2(1,1)
Strength Resistance Training: Study of fitness and strength development through resistance exercise. *Fall, Spring.*

PEM 2134C ED-CFCS 2(1,1)
Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. *Occasional.*

PEM 2171 ED-CFCS 2(1,1)
Aerobics: Appropriate rhythmical muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. *Fall, Spring.*

PEM 2173 ED-CFCS 2(1,1)
Step Aerobics: Appropriate rhythmical muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. *Occasional.*

PEM 2175 ED-CFCS 2(1,1)
Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. *Occasional.*

PEM 2176C ED-CFCS 2(1,1)
Cardio Kickboxing: Proper technique and fundamentals of cardio kickboxing. *Occasional.*

PEM 2179C ED-CFCS 2(1,1)
Boot Camp Fitness: Study and application of aerobic and anaerobic physical fitness activities to improve core strength, posture, breath control, body alignment and flexibility. *Occasional.*

PEM 2405 ED-CFCS 3(1,2)
Self Defense for Women and Men: Designed to provide students with self defense skills. *Fall, Spring.*

PEM 5408C ED-CFCS 3(2,1)
Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. *Occasional.*

PEO 2011 ED-CFCS 3(2,1)
Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. *Fall, Spring.*

PEO 2031 ED-CFCS 3(2,1)
Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. *Fall, Spring.*

PEO 2623C ED-CFCS 2(1,1)
Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. *Occasional.*

PEO 3041 ED-CFCS 3(3,0)
Games Analysis: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. *Fall, Spring.*

PEO 3219 ED-CFCS 3(2,0)
Coaching Baseball and Softball: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. *Occasional.*

PEO 3324 ED-CFCS 3(2,1)
Coaching Volleyball: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. *Spring.*

PEO 3514C ED-CFCS 3(2,1)
Coaching Soccer: PR: Admission to the Sport and Exercise Science program/minors or C.I. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. *Fall, Spring.*

PEO 3624 ED-CFCS 3(3,0)
Coaching Basketball: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. *Fall, Spring.*

PEO 3644 ED-CFCS 3(2,1)
Coaching Football: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching football, including the analysis of offensive and defensive techniques and strategies. *Occasional.*

PEO 5645C ED-CFCS 3(2,1)
Coaching Football: PR: C.I. Advanced principles and methods common to the coaching of football. Includes teaching and training methods, organization, motivation and strategies. *Occasional.*

PET 2081 ED-CFCS 1(1,0)
Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. *Fall, Spring.*

PET 3005 ED-CFCS 3(3,0)
Introduction to Sport and Exercise Science: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending or department consent. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. *Fall, Spring.*

PET 3097 ED-CFCS 3(3,0)
Health and Wellness: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending. Explore wellness through science and the statistics of risk factors for mortality and morbidity. Students will interpret indicators, evaluate choices using assessment-intervention-reinforcement protocols. *Fall, Spring.*

PET 3125 ED-CFCS 3(3,0)
Fitness and Weight Management: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. *Fall, Spring.*

PET 3137 ED-CFCS 3(3,0)
Concepts and Practices in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or C.I. Examination of experiences in Sport and Exercise Science program: concepts, practices, and science. *Fall, Spring.*

PET 3344C ED-CFCS 3(2,1)
Fundamentals of Athletic Coaching: PR: PEO 2011 or C.I. Basic knowledge of standards and practices for athletic coaches. *Occasional.*

PET 3361 ED-CFCS 3(3,0)
Nutrition and Metabolism in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program or Fitness Training Minor, BSC 2010C or equivalent and minimum overall 2.5 GPA. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, metabolism, and athletic performance in sport and exercise sciences. *Fall, Spring.*

PET 3510C HPA-HP 3(2,1)
Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, drugs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. *Fall.*

PET 3765 ED-CFCS 3(3,0)
Coaching Theory: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Theories of coaching team and individual sports. *Fall, Spring.*

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PET 3768 ED-CFCS 3(3,0)
Group Exercise Instruction: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. An in-depth study into group exercise instruction and fitness related concepts. *Fall.*

PET 3771 ED-CFCS 3(3,0)
Strength and Conditioning Concepts: PR: Admission to Sport and Exercise Science program or Fitness Training Minor; ZOO 3736C or equivalent and minimum overall 2.5 GPA. Integration of advanced components of muscular strength training and endurance conditioning for the sport and exercise professional. *Fall, Spring.*

PET 3820 ED-CFCS 3(3,0)
Teaching Sports Skills I: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. *Fall, Spring.*

PET 4050C ED-CFCS 3(2,1)
Motor Development and Learning: PR: Admission to Sport and Exercise Science program or Early Childhood Development and Education program and minimum overall 2.5 GPA. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. *Fall, Spring.*

PET 4083 ED-CFCS 3(3,0)
Personal Training Methods: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. An in-depth study into personal training and fitness related concepts. *Fall, Spring.*

PET 4088 ED-CFCS 3(3,0)
Physical Activity & Preventive Medicine: PR: Admission to Sport and Exercise Science program, ZOO 3736C or equivalent and minimum overall 2.5 GPA. Critique and analysis of evidence that exercise training can prevent some diseases and increase quality of life. *Fall, Spring.*

PET 4143 ED-CFCS 3(3,0)
Current Issues & Trends in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the current issues and trends encountered by professionals in sport and exercise science. *Fall, Spring.*

PET 4215 ED-CFCS 3(3,0)
Motivational Aspects of Athletic Performance: PR: Admission to Sport and Exercise Science program, Fitness Training Minor or Coaching Minor and minimum overall 2.5 GPA. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. *Fall, Spring.*

PET 4312C ED-CFCS 3(2,1)
Kinesiology/Biomechanics: PR: Admission to Sport and Exercise Science program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C and minimum overall 2.5 GPA. The comprehension and application of anatomical and mechanical principles involved in human movement. *Fall, Spring.*

PET 4315C HPA-HP 3(2,2)
Biomechanics of Sport: PR: PHY 2053C or PHY 2048C & L. Assessment and recognition of physiological and mechanical aspects of sports and injuries. *Spring.*

PET 4401 ED-CFCS 3(3,0)
Administration and Evaluation in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. Addressing administrative, measurement and evaluation aspects of Sport and Fitness programs. *Fall, Spring.*

PET 4550C ED-CFCS 3(2,1)
Assessment and Evaluation in Exercise Science: PR: Admission to Sport and Exercise Science program, APK 4110C and minimum overall 2.5 GPA. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. *Fall, Spring.*

PET 4552 ED-CFCS 3(3,0)
Exercise Prescription for Special Populations: PR: Admission to Sport and Exercise Science program or Fitness Training Minor, APK 4110C and minimum overall 2.5 GPA. Students integrate knowledge of exercise science, physiology, and fitness conditioning to develop exercise for populations dealing with aging, osteoporosis, diabetes, obesity, heart disease, and pregnancy. *Fall, Spring.*

PET 4606 HPA-HP 3(3,0)
Applied Fitness in Sport: PR: ZOO 3733C or ZOO 3736C and PCB 3703C; Junior standing; Open to all COHPA majors. Appreciation and clinical application of fitness regarding athletics. *Spring.*

PET 4640 ED-CFCS 3(3,0)
Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. *Spring.*

PET 4710 ED-CFCS 3(3,0)
Methods for Physical Activity for Children and Adolescents: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for physical activity in children and adolescents. *Fall, Spring.*

PET 4763 ED-CFCS 3(3,0)
Coaching Methods And Principles: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Assist students in understanding and conceptually integrating teaching methods/coaching strategies with emphasis given to conditioning and leadership styles. *Fall, Spring.*

PET 4901 ED-CFCS 3(3,0)
Capstone in Sport and Exercise Science: PR: Senior standing in Sport and Exercise Science program and minimum overall 2.5 GPA. Enhances students' oral and written presentation ability in issues and topics related to sport and exercise science. *Fall, Spring.*

PET 4925 ED-CFCS 6(0,16)
Sport and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 1/3 of the Sport and Fitness program requirements. Field experience in a sport and fitness related organization. Graded S/U. *Fall, Spring.*

PET 4926 ED-CFCS 9(9,0)
Sport and Exercise Science Practicum: PR: Senior standing in Sport and Exercise Science program and minimum overall 2.75 GPA. Field experience in a sport and exercise science organization, association, or business. Graded S/U. *Fall, Spring.*

PET 4943 ED-CFCS 12(0,35)
Internship II: PR: Must have completed course work in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Graded S/U. May be repeated for credit. *Occasional.*

PET 5216 ED-CFCS 3(3,0)
Motivational Aspects of Coaching: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, mental rehearsal, motivation, effort, persistence, adherence and compliance, measurement and evaluation, and other related topics of interest. *Occasional.*

PET 5355 ED-CFCS 3(3,0)
Exercise and Health: PR: Admission to master's program or certificate program. Will provide educators an in-depth understanding of energy pathways, and neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. *Occasional.*

PET 5495 ED-CFCS 3(3,0)
Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching and sport leadership in self-evaluating, examining, and developing philosophy, values, and moral reasoning skills. *Occasional.*

PET 5766 ED-CFCS 3(3,0)
Advanced Coaching Theory: PR: C.I. Advanced study of theories and methods of coaching for optimum sports performance. *Occasional.*

PET 5931 ED-CFCS 3(3,0)
Current Issues and Trends in Physical Education and Sport: PR: Admission to the Physical Education graduate program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. *Occasional.*

PGY 2401C CAH-SVAD 3(3,2)
Beginning Photography: PR: ART 2201C, ART 2300C or C.I. Introduction to photography with an art emphasis. *Fall, Spring.* M&S fee \$45.00

PGY 3002 CAH-SVAD 3(3,0)
Contemporary Photography: PR: PGY 2401C or C.I. Late 20th and 21st century (1970's-present) contemporary movements in photography, special emphasis on issues and ideas relative to contemporary image making. *Occasional.*

PGY 3205C CAH-SVAD 3(2,4)
Photographic Lighting Techniques: PR: PGY 2107, PGY 2215 or C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. *Occasional.* M&S fee \$45.00

PGY 3276 CAH-SVAD 3(3,0)
The Professional Environment: PR: PGY 3002 or C.I. Concepts necessary for operation of a photography studio. Includes legal, ethical issues; marketing; self-promotion strategies; funding opportunities; professional development; and professional presentation. *Occasional.*

PGY 3410C CAH-SVAD 3(3,2)
Intermediate Photography: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C. Intermediate camera and darkroom practice designed for art majors with studio skills. *Spring.* M&S fee \$45.00

PGY 3451C CAH-SVAD 3(2,4)
Alternative Processes: PR: PGY 3472C or C.I. 19th century photographic processes with related contemporary non-traditional methods of image creation and presentation. *Occasional.* M&S fee \$45.00

PGY 3472C CAH-SVAD 3(2,1)
Photo Visualization: PR: PGY 2650, PGY 2215 or C.I. Analysis of visual problems with an emphasis on communicating and applying a theoretical language to photographic imagery. *Occasional.* M&S fee \$45.00

PGY 3480 CAH-SVAD 3(3,0)
Museum and Gallery Practices: PR: PGY 3002 Contemporary Photography. The museum and gallery environment focusing on the acquisition and display of photographic materials and curatorial functions. The course includes a service learning component. *Occasional.*

PGY 3610C COS-COMM 3(1,4)
Photojournalism I: PR: Journalism majors only. Digital photojournalism and visual storytelling, with emphasis on camera basics, composition skills, digital photo-editing skills, and caption writing skills. See instructor for minimal camera requirements. *Occasional.* M&S fee \$45.00

PGY 3620C COS-COMM 3(1,2)
Photojournalism II: PR: PGY 3610C. The Picture Story. Individual and group projects for extended documentary coverage. *Occasional.*

PGY 3630 COS-COMM 3(3,0)
Photojournalism III: PR: PGY 3620C. Photography Editing. Assignment selection, picture and copy editing, cropping, picture desk management, and ethics of photojournalism, and the new technological advances. *Occasional.*

PGY 3651C CAH-SVAD 3(2,4)
Narrative Editorial Photography: PR: PGY 2655 Editorial Photography or C.I. Explores photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. *Fall.* M&S fee \$45.00



PGY 3653C CAH-SVAD 3(2,4)
Advanced Editorial Photography: PR: PGY 3651C. Exploration of imagery created to illustrate articles, including still-life, portrait, documentary, and/or fashion photography. Emphasis on the creation of multiple or consecutive images. *Spring*. M&S fee \$45.00

PGY 3703C CAH-SVAD 3(2,4)
Photography & the Web: PR: PGY 3821C or C.I. Advanced issues in digital imaging, emphasis on professional output solutions for the photographer such as web as an interface, large format printing, and film recorder. *Occasional*. M&S fee \$45.00

PGY 3751C CAH-SVAD 3(2,4)
Videography: PR: PGY 3821C or C.I. Creation of video narratives using the digital environment. *Occasional*.

PGY 3821C CAH-SVAD 3(2,4)
Advanced Digital Photography: PR: PGY 2401C or C.I. Current digital imaging software and its application to contemporary work. *Occasional*. M&S fee \$45.00

PGY 4003 CAH-SVAD 3(3,0)
Image, Culture, and Society: PR: PGY 3002 or C.I. The role of the media and media imagery in culture and society. *Occasional*.

PGY 4228C CAH-SVAD 3(2,4)
Advanced Illustrative Photography: PR: PGY 3205C or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. *Occasional*. M&S fee \$45.00

PGY 4235C CAH-SVAD 3(2,4)
Professional Photographic Workshop: PR: PGY 3205C. Creative, logistical, and technical processes as related to a variety of special lighting problems in the photographic studio and on location. *Occasional*. M&S fee \$45.00

PGY 4420C CAH-SVAD 3(2,3)
Advanced Photography: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 3410C, and a satisfactory portfolio review or C.I. Advanced photography skills and portfolio development. Designed for art majors. May be repeated for credit. *Fall, Spring*. M&S fee \$45.00

PGY 4440C CAH-SVAD 3(2,3)
Special Problems in Photography: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 3410C, and a satisfactory portfolio review or C.I. Designed for upper division art majors with photography concentration. A series of directed photographic problems of a research nature. *Occasional*. M&S fee \$20.00

PGY 4471 CAH-SVAD 3(3,0)
Photography Thesis: PR: PGY 3276. Senior thesis project culminating in a public exhibition or portfolio presentation. *Occasional*. M&S fee \$45.00

PGY 4493C CAH-SVAD 3(2,4)
Photography and Art: PR: PGY 3472C, or PGY 3002, or C.I. Creation of photographs related to the expression of personal, political, aesthetic, and theoretical issues and ideas found in historical and contemporary imagery. *Occasional*. M&S fee \$45.00

PGY 5108C CAH-SVAD 3(2,4)
Advanced Techniques and Concepts in Photography: PR: PGY 2401C, PGY 3410C and PGY 4420C, or admission into MFA graduate program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times. *Occasional*. M&S fee \$45.00

PHH 3041 CAH-PHIL 3(3,0)
Russian Philosophy: PR: ENC 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of culture, religion, society, and politics. *Occasional*.

PHH 3100 CAH-PHIL 3(3,0)
Ancient Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. *Occasional*.

PHH 3200 CAH-PHIL 3(3,0)
Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. *Occasional*.

PHH 3460 CAH-PHIL 3(3,0)
Modern Western Philosophy: PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. *Even Fall*.

PHH 3510 CAH-PHIL 3(3,0)
Marx and Nietzsche: PR: Junior standing. The philosophies of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting standpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporary relevance. *Occasional*.

PHH 3600 CAH-PHIL 3(3,0)
Contemporary Philosophy: PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, phenomenology, structuralism, post-structuralism, and liberation philosophies. *Occasional*.

PHH 3700 CAH-PHIL 3(3,0)
American Philosophy: PR: PHI 2010 or AMH 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. *Even Spring*.

PHH 3701 CAH-PHIL 3(3,0)
Native American Philosophy: PR: PHI 2010 or C.I. Academic Native American philosophy in epistemology, political philosophy and environmental studies. *Even Fall*.

PHI 2010 CAH-PHIL 3(3,0)
Introduction to Philosophy: Inquiry into the meaning and justification of fundamental ideas and beliefs concerning reality, knowledge, and values; application to relevant topics in ethics, religion, and politics. *Fall, Spring*.

PHI 2010H CAH-PHIL 3(3,0)
Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content. *Fall*.

PHI 2011 CAH-PHIL 3(3,0)
Philosophical Reasoning: A study of reasoning in philosophy; the role of inconsistency, infinite regress arguments, modeling, and system building, discovery procedures, diagonalization, and contract and paradigm case arguments. *Occasional*.

PHI 2101 CAH-PHIL 3(3,0)
Formal Logic I: A study of sentence and predicate logics, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. *Occasional*.

PHI 2108 CAH-PHIL 3(3,0)
Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. *Occasional*.

PHI 2630 CAH-PHIL 3(3,0)
Ethics: An examination of the nature of moral problems, judgments and principles, with an emphasis on recent formulations in ethical theory. *Occasional*.

PHI 2647 CAH-PHIL 3(3,0)
Logic and Ethics: PR: PHI 2101 or COT 3100C or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling to study philosophical problems in ethics. *Occasional*.

PHI 3033 CAH-PHIL 3(3,0)
Philosophy, Religion, and the Environment: PR: Junior standing or C.I. A multicultural treatment of the influence of philosophical and religious views on our understanding of, and relation to, the environment. *Occasional*.

PHI 3083 CAH-PHIL 3(3,0)
Research Methods in Philosophy: PR: Philosophy or Humanities major or C.I. Sources, methods, and styles of research in Philosophy. Aimed at enhancing the research, reading, and writing skills of undergraduate philosophy students. *Odd Fall*.

PHI 3131 CAH-PHIL 3(3,0)
Formal Logic II: PR: PHI 2101. Systematic study of propositional and first-order predicate logic; logistic systems and axiomatic methods; problems of metatheory, including consistency, completeness, and decidability. *Occasional*.

PHI 3320 CAH-PHIL 3(3,0)
Philosophy of Mind: PR: PHI 2010, PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personhood, and the relation of psychology to neurobiology. *Occasional*.

PHI 3323 CAH-PHIL 3(3,0)
Minds and Machines: Philosophy of Cognitive Science: PR: PHI 2010 or C.I. Assumptions undergirding research in Cognitive Science. *Fall, Odd Spring*.

PHI 3451 CAH-PHIL 3(3,0)
Philosophy of Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological movements plus other philosophically interesting issues. *Occasional*.

PHI 3601 CAH-PHIL 1(1,0)
Practical Wisdom: PR: Junior standing or PHI 2010 or C.I. Course in applied ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. *Occasional*.

PHI 3625 CAH-PHIL 3(3,0)
Virtual Ethics: PR: COP 3502C or DIG 2000 or C.I. Ethics of virtual worlds as contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. *Occasional*.

PHI 3626 CAH-PHIL 3(3,0)
Advanced Ethics in Science and Technology: PR: COP 3502C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. *Fall, Spring*.

PHI 3629 CAH-PHIL 3(3,0)
Family Values: PR: PHI 2010, PHI 2630, PHI 3670, or WST 3015. Applied ethics examining legal, religious and other cultural prescriptions related to sexuality, marriage, reproduction, child-rearing and other forms of familial relationship and caregiving. *Even Spring*.

PHI 3638 CAH-PHIL 3(3,0)
Ethical Issues in the 21st Century: PR: PHI 2010 or C.I. Applications of ethical theory and moral problem-solving to contemporary issues. *Occasional*.

PHI 3640 CAH-PHIL 3(3,0)
Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. *Occasional*.

PHI 3670 CAH-PHIL 3(3,0)
Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary topics in ethics, including value theory, utilitarian, deontological, virtue-based and feminist approaches to ethics, rights, and justice; some examination of metaethical issues. *Even Spring*.

PHI 3672 CAH-PHIL 3(3,0)
Animal Ethics: PR: PHI 2010 or C.I. Key issues and debates in the area of animal ethics, including both theoretical and applied dimensions. *Occasional*.

PHI 3684 CAH-PHIL 3(3,0)
Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of "the good life." *Occasional*.

PHI 3700 CAH-PHIL 3(3,0)
Philosophy of Religion: PR: REL 2300 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. *Odd Spring*.

PHI 3720 CAH-PHIL 3(3,0)
Faith and Reason: PR: REL 2300 or PHI 2010 or C.I. Emergence of two discrete ways of knowing: Faith and Reason. *Occasional*.



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PHI 3750 CAH-PHIL 3(3,0)
The Problem of Evil: PR: PHI 2010 or C.I. The traditional problem of evil encompassing philosophical, theological, logical, and natural interpretations and assessments of moral and natural evil. *Occasional.*

PHI 3790 CAH-PHIL 3(3,0)
African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. *Occasional.*

PHI 3800 CAH-PHIL 3(3,0)
Aesthetics: PR: PHI 2010, HUM 2230, ARH 2050, or ARH 2051. An investigation into the nature of human artistic experience, with special reference to questions of form, perception, and style. *Occasional.*

PHI 3803 CAH-PHIL 3(3,0)
Philosophy and Creativity: PR: Junior standing or PHI 2010 or C.I. A companion course to PHI 3800, Aesthetics. Examines the empirical and metaphysical claims made for creativity; attempts to account for intuition, genius, and intelligence. *Occasional.*

PHI 3805 CAH-PHIL 3(3,0)
Contemporary Aesthetics: PR: PHI 2010, HUM 2210, HUM 2230, ARH 2050 or ARH 2051. Contemporary themes and arguments about visual art in relationship to current aesthetic theories. *Occasional.*

PHI 4221 CAH-PHIL 3(3,0)
Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. *Spring.*

PHI 4300 CAH-PHIL 3(3,0)
Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, skepticism, criteria for truth and justification for belief. *Occasional.*

PHI 4321 CAH-PHIL 3(3,0)
Philosophies of Embodiment: Mind/Body/Self: PR: Junior standing and either PHI 2010, PHI 2011, PHI 2108, or C.I. Different ways of understanding relations between mind, body, and nature. Self-knowledge as articulated by western and non-western philosophies from ancient to contemporary times. *Occasional.*

PHI 4341 CAH-PHIL 3(3,0)
Ways of Knowing: PR: PHI 2010 or C.I. Philosophical study of approaches to knowledge, with emphasis on contributions of the knower to how things are known. *Fall.*

PHI 4400 CAH-PHIL 3(3,0)
Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. *Occasional.*

PHI 4420 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or PHI 2010 or C.I. An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. *Occasional.*

PHI 4500 CAH-PHIL 3(3,0)
Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism. *Occasional.*

PHI 4633 CAH-PHIL 3(3,0)
Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. *Occasional.*

PHI 4633H CAH-PHIL 3(3,0)
Honors Ethics and Biological Science: PR: BSC 2010C, a course in Philosophy, and consent of Honors. Contemporary thinking on ethical issues arising from the biological sciences, including human and animal experiments, genetic engineering, and biodiversity. *Occasional.*

PHI 4673 CAH-PHIL 3(3,0)
Medical Ethics: PR: Senior standing or C.I. Ethics of clinical medicine and medical research. *Spring.*

PHI 4690 CAH-PHIL 3(3,0)
Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. *Odd Fall.*

PHI 4804 CAH-PHIL 3(3,0)
Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. *Even Fall.*

PHI 4931 CAH-PHIL 3(3,0)
Philosophy in the News: PR: PHI 2010. Changing course content. A specific topic being covered by the media will be selected for philosophical examination. Course is web enhanced. *Occasional.*

PHI 4935 CAH-PHIL 3(3,0)
Topics in Philosophy of Mind: PR: PHI 3320, PHI 3451 or PHI 3323 or C.I. Recent debate in philosophy of mind. Variable topics. Examples: mental representation, consciousness, concepts, free will. May be repeated for credit. *Occasional.*

PHI 4938 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Philosophy major, or C.I. Capstone course on research, developing effective oral and written communication skills. *Spring.*

PHI 5225 CAH-PHIL 3(3,0)
Philosophy of Language: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and culture. *Occasional.*

PHI 5325 CAH-PHIL 3(3,0)
Topics in Philosophy of Mind: PR: Admission into graduate certificate program in Cognitive Sciences or C.I. Contemporary issues in philosophy of mind, including explanatory gap, and the problem of other minds. *Occasional.*

PHI 5327 CAH-PHIL 3(3,0)
Topics in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. *Fall.*

PHI 5328 CAH-PHIL 3(3,0)
Philosophies of Embodiment: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Relations among mind, body, and nature. Knowledge of self, world and others as articulated by Western philosophy, with special emphasis on embodied cognition. *Occasional.*

PHI 5329 CAH-PHIL 3(3,0)
Philosophy of Neuroscience: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neurophilosophy, including discussion of promises and limitations of neuroscience for understanding of the mind. *Occasional.*

PHI 5340 CAH-PHIL 3(3,0)
Research Methods in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. *Spring.*

PHI 5627 CAH-PHIL 3(3,0)
Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. *Fall.*

PHI 5634 CAH-PHIL 3(3,0)
Medical Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. *Fall.*

PHI 5665 CAH-PHIL 3(3,0)
Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4633, PHI 4931 or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. *Occasional.*

PHI 5687 CAH-PHIL 3(3,0)
Ethics in Science and Technology: PR: Graduate standing or C.I. The relationship between ethics and the pursuit and application of human knowledge, emphasizing the responsibility of scientists to society. *Occasional.*

PHM 3020 CAH-PHIL 3(3,0)
Philosophy of Love: PR: Junior standing and PHI 2010, or C.I. A critical investigation of the meaning and significance of various kinds of love from a variety of philosophical perspectives. *Spring.*

PHM 3022 CAH-PHIL 3(3,0)
Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2010, PHM 3123, or C.I. Examines the contributions of poststructuralist and neopschoanalytical theories to cultural issues in sexuality and gender. *Even Spring.*

PHM 3100 CAH-PHIL 3(3,0)
Freedom and Justice: PR: Junior standing or PHI 2010 or C.I. Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state; includes topics such as freedom, equality, and justice. *Occasional.*

PHM 3123 CAH-PHIL 3(3,0)
Feminist Theories: PR: ENC 1102. Contemporary issues and perspectives in feminist theory and their relation to divergent feminist practices. *Even Fall.*

PHM 3401 CAH-PHIL 3(3,0)
Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. *Spring.*

PHM 4031 CAH-PHIL 3(3,0)
Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. *Occasional.*

PHM 5035 CAH-PHIL 3(3,0)
Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. *Occasional.*

PHP 3781 CAH-PHIL 3(3,0)
African-American Philosophy: PR: PHI 2010. Analysis of contemporary African-American philosophy and overview of Black philosophy from slavery era writings to the present. *Occasional.*

PHP 3783 CAH-PHIL 3(3,0)
Modernity as a Philosophical Problem: PR: PHI 2010 or PHI 3640 or C.I. Modernity in the philosophies of Kant, Hegel, Nietzsche, Heidegger, Derrida, Rorty, and others. *Occasional.*

PHP 3786 CAH-PHIL 3(3,0)
Existentialism: PR: Junior standing or PHI 2010 or C.I. Study of existentialist analysis and criticism of the human situation as found in the writings of such philosophers as Kierkegaard, Nietzsche, Heidegger, Sartre, and Camus. *Odd Fall.*

PHP 4782 CAH-PHIL 3(3,0)
Phenomenology: PR: Junior standing and three Philosophy courses. The philosophy developed in the 20th century in the writings of Husserl, Heidegger, Sartre, Merleau-Ponty, De Beauvoir and Derrida. *Odd Spring.*

PHP 4931 CAH-PHIL 3(3,0)
Key Figures in Philosophy: PR: PHI 2010 or C.I. Study of a central figure in philosophy's work, influences, reception and effect. May be repeated for credit only when course content is different. *Occasional.*



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PHP 4933 CAH-PHIL 3(3,0)
Key Concepts in Philosophy: PR: PHI 2010 or C.I. Study of the development, meaning, and implications of a central concept in Philosophy. May be repeated for credit only when course content is different. *Occasional.*

PHT 3069 HPA-HP 1(1,0)
Physical Assessment: CR: PHT 3069L. Extensive theory and practice in the examination of the patient. Incorporates a systems approach, utilizing screening and patient problem solving. *Occasional.*

PHT 3069L HPA-HP 2(0,4)
Physical Assessment Lab: PR: PHT 3069. Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. *Occasional.*

PHT 3112 HPA-HP 2(2,0)
Gross Anatomy/Neuroscience I: PR: Admission into the Physical Therapy program. CR: PHT 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper lower extremities. Regional cadaver dissection. *Occasional.*

PHT 3112L HPA-HP 3(0,6)
Gross Anatomy/Neuroscience I Lab: CR: PHT 3112. Human cadaver dissection of the back, spinal cord, cranial nerves, and upper and lower extremities. *Occasional.*

PHT 3113 HPA-HP 2(2,0)
Gross Anatomy/Neuroscience II: PR: PHT 3112; PHT 3112L. CR: PHT 3113L. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. *Occasional.*

PHT 3113L HPA-HP 3(0,6)
Gross Anatomy/Neuroscience II Lab: CR: PHT 3113. Directed laboratory experiences with cadaver dissection; use of the skeleton, models, and computer programs to facilitate learning. *Occasional.*

PHT 3122 HPA-HP 3(3,0)
Clinical Kinesiology: CR: PHT 3122L. Mechanical aspects of human movement, including joint mechanics of the upper and lower extremity, the vertebral column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection. *Occasional.*

PHT 3122L HPA-HP 3(0,6)
Clinical Kinesiology Lab: CR: PHT 3122. Lab course investigating the mechanical aspects of human movement. *Occasional.*

PHT 3155 HPA-HP 2(2,0)
Physiology of Therapeutic Exercise: PR: PHT 3259. CR: PHT 3155L. Exercise physiology investigating the physiological responses and adaptations to human movement including cardiovascular and pulmonary systems. *Occasional.*

PHT 3155L HPA-HP 2(0,4)
Physiology of Therapeutic Exercise Lab: CR: PHT 3155. Lab course emphasizing the clinical application of exercise physiology. *Occasional.*

PHT 3259 HPA-HP 2(2,0)
Patient Care Skills: CR: PHT 3259. Affective, cognitive, and psychomotor skills applied to patient care. Diversity issues discussed. Basic skills of patient care; transfers, mobility skills, draping, gait training. *Occasional.*

PHT 4222 HPA-HP 2(2,0)
Therapeutic Exercise I: PR: PHT 3155; PHT 3155L. CR: PHT 4222L. Theory of developing, implementing, and evaluating a therapeutic exercise program for patients with musculoskeletal dysfunction. *Occasional.*

PHT 4222L HPA-HP 1(0,2)
Therapeutic Exercise I Lab: CR: PHT 4222. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. *Occasional.*

PHT 4230 HPA-HP 2(2,0)
Therapeutic Exercise II: PR: PHT 4222; PHT 4222L. CR: PHT 4230L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. *Occasional.*

PHT 4230L HPA-HP 1(0,2)
Therapeutic Exercise II Lab: CR: PHT 4230. Lab course emphasizing use of various therapeutic exercise modalities. *Occasional.*

PHT 5003 HPA-HP 2(2,0)
Foundations of Physical Therapy I: PR: Admission to the Physical Therapy program. Introduction to the profession of physical therapy. *Occasional.*

PHT 5005 HPA-HP 2(2,0)
Foundations of Physical Therapy II: PR: Foundations of Physical Therapy I. Psychosocial aspects of disability. Focus on cultural diversity issues, communication skills, and different styles of learning and teaching. *Occasional.*

PHT 5125 HPA-HP 2(2,0)
Clinical Kinesiology: CR: PHT 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and tissue mechanics of relevant human tissues. *Occasional.*

PHT 5125L HPA-HP 2(0,4)
Clinical Kinesiology Lab: CR: PHT 5125. Graduate level study of human musculoskeletal movement with an emphasis on joint mechanics and clinical applications. *Occasional.* M&S fee \$35.00

PHT 5218 HPA-HP 2(2,0)
Theories and Procedures I: PR: CR Theories and Procedures I Lab. Theories of physical agents, heat, light, cold, water, sound, and massage; problem solving rationale and selection of interventions for inflammation, pain, edema, and weakness. *Spring.*

PHT 5218L HPA-HP 1(0,2)
Theories and Procedures I lab: PR: CR Theories and Procedures I. Lab course on the clinical applications of heat, light, cold, water, sound, and massage. *Spring.* M&S fee \$30.00

PHT 5240 HPA-HP 1(1,0)
Physical Assessment: PR: Physical Assessment Lab. Extensive theory and practice in the examination of the patient. Incorporate a systems approach, utilizing screening, and patient problem solving. *Fall.*

PHT 5240L HPA-HP 2(0,4)
Physical Assessment Lab: PR: CR Physical Assessment. Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient. *Fall.* M&S fee \$45.00

PHT 5241 HPA-HP 2(2,0)
Therapeutic Exercises I: PR: CR Therapeutic Exercises I Lab. Theory of developing, implementing, and evaluating a therapeutic exercise program for patients with musculoskeletal dysfunction. *Spring.*

PHT 5241L HPA-HP 2(0,4)
Therapeutic Exercise Lab I: PR: Therapeutic Exercise I. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. *Spring.* M&S fee \$15.00

PHT 5260 HPA-HP 2(2,0)
Patient Care Skills: CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training. *Fall.*

PHT 5260L HPA-HP 1(0,2)
Patient Care Skills Lab: CR: Patient Care Skills. Skills of patient care, transfers, mobility skills. *Fall.* M&S fee \$30.00

PHT 5718 HPA-HP 2(2,0)
Neurological Physical Therapy: PR: CR Neurological Physical Therapy Lab. Analysis of selected neuromotor theories and their clinical applications. Examinations and interventions for the evaluation and treatment of neurological patients presented. *Occasional.*

PHT 5718L HPA-HP 1(0,2)
Neurological Physical Therapy Lab: PR: CR Neurological Physical Therapy. Lab Course emphasizing the clinical application of selected neuromotor theories. *Occasional.* M&S fee \$30.00

PHY 2020 COS-PHYS 3(3,0)
Concepts of Physics: An introductory course in physics designed for non-science majors, emphasizing topics relevant to everyday life. The course focuses on major physical discoveries and their implications for the world around us. *Fall.*

PHY 2048C COS-PHYS 4(3,3)
Physics for Engineers & Scientists I: PR: MAC 2311C (or equivalent) with grade "C" (2.0) or better. Mechanics, Thermodynamics, fluids. *Fall, Spring.* M&S fee \$15.00

PHY 2048C COS-PHYS 4(3,3)
Honors Physics for Engineers and Scientists I: PR: MAC 2311C (or equivalent) with grade "C" (2.0) or better, and permission of Honors. Same as PHY 2048C with honors-level content. *Fall, Spring.*

PHY 2049C COS-PHYS 4(3,3)
Physics for Engineers and Scientists II: PR: MAC 2312 and PHY 2048C with grades "C" (2.0) or better. Electricity, magnetism, optics. *Fall, Spring.* M&S fee \$15.00

PHY 2049C COS-PHYS 4(3,3)
Honors Physics for Engineers and Scientists II: PR: MAC 2312 and PHY 2048C with grades "C" (2.0) or better, and permission of Honors. Same as PHY 2049C with honors-level content. *Fall, Spring.*

PHY 2053C COS-PHYS 4(3,3)
College Physics I: PR: MAC 1105C and MAC 1114C or equivalent or C.I. Mechanics, waves, thermodynamics. *Fall, Spring.* M&S fee \$15.00

PHY 2053C COS-PHYS 4(3,3)
Honors College Physics I: PR: MAC 1105C and MAC 1114C or C.I. and consent of Honors. Mechanics, waves, thermodynamics. With Honors content. *Fall.*

PHY 2054C COS-PHYS 4(3,3)
College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. *Fall, Spring.* M&S fee \$15.00

PHY 2054C COS-PHYS 4(3,3)
Honors College Physics II: PR: PHY 2053C and consent of Honors. Fluids, electricity, and magnetism, optics, x-rays, radioactivity. With Honors content. *Spring.*

PHY 3101 COS-PHYS 3(3,0)
Physics for Engineers and Scientists III: PR: MAC 2313 and PHY 2049C. Thermodynamics, oscillations, modern physics. *Fall, Spring.*

PHY 3101H COS-PHYS 3(3,0)
Honors Physics for Engineers and Scientists III: PR: PHY 2049C, MAC 2313, and consent of Honors. Same as PHY 3101 with honors-level content. *Fall.*

PHY 3220 COS-PHYS 3(3,0)
Mechanics I: PR: PHY 2048C or PHY 2048H, MAP 2302. Particle dynamics, rigid bodies, Lagrangian formulation of mechanics, Hamilton's equations. *Spring.*

PHY 3323 COS-PHYS 3(3,0)
Electricity and Magnetism I: PR: PHY 2049C, MAP 2302. Electrostatics, magnetostatics, Lorentz force current electricity, Maxwell's equations. *Fall.*

PHY 3513 COS-PHYS 3(3,0)
Thermal and Statistical Physics: PR: PHY 3101 or PHY 3101H or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics. *Fall.*

PHY 3722C COS-PHYS 3(1,5)
Physics Laboratory-Electronics: PR: PHY 2049C. State-of-the-art electronics, transducers, operational amplifiers, phase sensitive circuits, active filters. *Occasional.* M&S fee \$15.00

PHY 3752C COS-PHYS 3(1,5)
Physics of Scientific Instruments: PR: PHY 3101 or C.I. Applications, functions and operation of electronic instruments. *Occasional.* M&S fee \$12.00

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PHY 3802L COS-PHYS 3(1,5)
Intermediate Physics Laboratory: PR: PHY 3101 or C.I. Laboratory work in basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. *Fall*.

PHY 3920 COS-PHYS 1(1,0)
Frontiers in Physics Research: Colloquia and Public Talks: PR: PHY 3101 or C.I. Presentations of current research and major advances in physics. Graded S/U. May be used in the degree program a maximum of 3 times. *Fall, Spring*.

PHY 4254 COS-PHYS 3(3,0)
Physics of Fluids and Biofluids: PR: PHY 3513, PHY 3323, and MAP 2302, or C.I. Ideal fluids; basic equation of fluid flow; viscous flow, instability and turbulence; thermal and mass transfers in fluids; biofluid mechanics of blood circulation. *Even Spring*.

PHY 4324 COS-PHYS 3(3,0)
Electricity and Magnetism II: PR: PHY 3323. Dielectrics, magnetic materials, electromagnetic waves, reflection, complex impedance, static solutions to Laplace's Equation, radiation from an accelerated charge and antennae, special relativity. *Spring*.

PHY 4424 COS-PHYS 3(3,0)
Optics: PR: PHY 3101 and PHY 3323. Wave optics, absorption, stimulated emission, lasers, transforms, coherence, holography. *Occasional*.

PHY 4445 COS-PHYS 3(3,0)
Lasers: PR: PHY 3101, MAP 2302, PHY 4424, or C.I. Principles of laser gain media, properties of resonators and modes, and description of specific laser systems. *Occasional*.

PHY 4604 COS-PHYS 3(3,0)
Wave Mechanics I: PR: PHZ 3113. Postulates of Quantum Mechanics. Operators and Observables, Schrodinger equation with simple applications. *Fall*.

PHY 4605 COS-PHYS 3(3,0)
Wave Mechanics II: PR: PHY 4604. Further applications of quantum mechanics, perturbation theory, scattering theory, identical particles. *Spring*.

PHY 4803L COS-PHYS 3(1,5)
Advanced Physics Laboratory: PR: PHY 3802L. Experiments in optics, electronics, nuclear and solid state physics. Emphasis on design, data, and scientific writing. *Occasional*. M&S fee \$15.00

PHY 5015C COS-PHYS 3(2,2)
Physics for Teachers II: PR: Graduate status or senior standing or C.I. "Hands-on" lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. *Occasional*.

PHY 5140C COS-PHYS 3(3,2)
Ion-Solid Interactions: PR: PHY 4604 or PHY 4324, graduate status or senior standing, or C.I. Physical principals and related scientific and technological applications of ion-solid interactions. *Even Spring*.

PHY 5255 COS-PHYS 3(3,0)
Physics of Fluids and Biofluids: PR: PHY 3513, PHY 3323, and MAP 2302 or C.I. Ideal Fluids; Basic equation of fluid flow; Viscous flow, instability and turbulence; Thermal and mass transfers in fluids, biofluid mechanics of blood circulation. *Even Spring*.

PHY 5346 COS-PHYS 3(3,0)
Electrodynamics I: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell's equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. *Fall*.

PHY 5455 COS-PHYS 3(3,0)
Modern X-ray Science: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays. *Occasional*.

PHY 5524 COS-PHYS 3(3,0)
Statistical Physics: PR: PHY 3513, STA 3032, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions. Maxwell Boltzmann, Bose-Einstein, Fermi-Dirac statistics. *Spring*.

PHY 5606 COS-PHYS 3(3,0)
Quantum Mechanics I: PR: PHY 4605, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrodinger equation, matrix formulation, and time independent perturbation theory. *Fall*.

PHY 5650 COS-PHYS 3(3,0)
Introduction to Quantum Computation: PR: C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students. *Occasional*.

PHY 5704 COS-PHYS 3(3,0)
Physics of Nanoelectronics Devices: PR: Graduate standing or C.I. Fabrication techniques of nanoscale electronic devices and understanding of their charge transport properties. *Odd Fall*.

PHY 5705 COS-PHYS 1(1,0)
Physics of Graphene and Carbon Nanotubes: PR: PHZ 4404 or equivalent, or C.I. Advanced topics in carbon nanotubes and graphene sheets by presentation and discussion of current literature. *Odd Fall*.

PHY 5715 COS-PHYS 3(3,0)
Physical Basis of Life: PR: Graduate standing or C.I. Molecular and physical principles of origin of life, physical and chemical interpretation of life processes. *Fall*.

PHY 5817L COS-PHYS 1(0,3)
Building Physics Apparatus: PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. *Occasional*. M&S fee \$45.00

PHY 5846C COS-PHYS 3(3,3)
Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. *Fall*.

PHY 5933 COS-PHYS 3(3,0)
Selected topics in biophysics of macromolecules: PR: PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. *Occasional*.

PHZ 3113 COS-PHYS 3(3,0)
Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. *Spring*.

PHZ 3151 COS-PHYS 3(3,0)
Computer Methods in Physics: PR: PHY 3101. Non-analytical problems in physics and astronomy solved by approximation with computer assistance. *Occasional*.

PHZ 3422 COS-PHYS 3(3,0)
Nanophysics: PR: PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano colloids, and nano transport. *Occasional*.

PHZ 3601 COS-PHYS 3(3,0)
Einstein's Theory of Relativity: PR: PHY 2049. Einstein's special theory of relativity. Introduction to general relativity. *Occasional*.

PHZ 4041 COS-PHYS 3(3,0)
Attosecond Laser Physics: PR: PHY 3323 or PHY 5346 or C.I. Coverage of the basic underlying theory through complex concepts of attosecond optics. *Occasional*.

PHZ 4390 COS-PHYS 3(3,0)
Nuclear and Particle Physics: PR: PHY 4605 or C.I. The properties of the nuclei and the fundamental particles and how the universe is built from particles. *Occasional*.

PHZ 4404 COS-PHYS 3(3,0)
Solid State Physics: PR: PHY 3101 or C.I. Atomic binding, crystalline structure, diffraction and reciprocal lattice, lattice vibration, phonons, electrons in solids, energy bands, semiconductors. *Occasional*.

PHZ 4434 COS-PHYS 3(3,0)
Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. *Even Fall*.

PHZ 5045 COS-PHYS 3(3,0)
Attosecond Laser Physics: PR: PHY 5606, PHY 5346 or PHY 4324, or C.I. Technique for generating attosecond optical pulses using both semi-classical models and quantum mechanics theories. Illustrative examples of attosecond applications. *Odd Spring*.

PHZ 5156 COS-PHYS 3(3,0)
Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. *Fall*.

PHZ 5304 COS-PHYS 3(3,0)
Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. *Occasional*.

PHZ 5405 COS-PHYS 3(3,0)
Condensed Matter Physics: PR: PHY 4604, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. *Occasional*.

PHZ 5425C COS-PHYS 3(3,3)
Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. *Occasional*.

PHZ 5432 COS-PHYS 3(3,0)
Introduction to Soft Condensed Matter Physics: PR: PHY 3513 or C.I. Introduction to the physics of polymers, colloids, surfactants using basic tools of statistical mechanics. *Occasional*.

PHZ 5437 COS-PHYS 3(3,0)
Nanoscale Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. *Occasional*.

PHZ 5445 COS-PHYS 3(3,0)
Nanofabrication using Focused Ion Beam: PR: Graduate standing or C.I. Basic theory of ion-solid interaction; fundamental principle of focused ion beam instrument and its applications in nanofabrication; other ion beam techniques. *Odd Spring*.

PHZ 5505 COS-PHYS 3(3,0)
Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. *Occasional*.

PLA 3014 HPA-LS 3(3,0)
Law and the Legal System: PR: ENC 1102 and Sophomore Standing. A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. *Fall, Spring*.

PLA 3108 HPA-LS 3(3,0)
Legal Research: PR: or CR: PLA 3014, or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. *Fall, Spring*.



UCF Courses and Descriptions

PLA 3155 HPA-LS 3(3,0)
Legal Writing: PR: PLA 3108. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3108. *Fall, Spring.*

PLA 3205 HPA-LS 3(3,0)
Civil Practice and Procedure: PR: or CR: PLA 3014 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. *Fall, Spring.*

PLA 3277 HPA-LS 3(3,0)
The Law of Torts: PR: or CR: PLA 3014 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of torts cases. *Fall, Spring.*

PLA 3306 HPA-LS 3(3,0)
Criminal Law: PR: ENC 1102 and Sophomore standing. Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. *Fall, Spring.*

PLA 3309 HPA-LS 3(3,0)
Criminal Procedure: PR: ENC 1102 and Sophomore Standing. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. *Fall, Spring.*

PLA 3615 HPA-LS 3(3,0)
Property and Real Estate Law: PR: or CR: PLA 3014 or C.I. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title problems. *Fall, Spring.*

PLA 3951H HPA-LS 3(3,0)
Honors Moot Court: PR: Junior Standing and Consent of Honors, and C.I. Interdisciplinary course on selective principles of Constitutional Law, focusing on persuasive writing, oral advocacy, public speaking, and analytical skills through UCF's appellate advocacy/moot court tournament. *Fall.*

PLA 4020 HPA-LS 3(3,0)
Law and Society: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. *Occasional.*

PLA 4022 HPA-LS 3(3,0)
Contemporary Issues in Law: PR: ENC 1102 and Junior Standing. Examine and analyze contemporary legal issues and interplay between state and federal law applications. Topics track current social legal issues. May be used in the degree program a maximum of 2 times only when course content is different. *Occasional.*

PLA 4226 HPA-LS 3(3,0)
Advanced Trial Advocacy: PR: (PLA 4910 and Junior Standing) or C.I. Litigation and trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit. *Occasional.*

PLA 4240 HPA-LS 3(3,0)
Negotiation Alternatives in Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Theories and skills involved in negotiation, mediation and other dispute resolutions processes. *Occasional.*

PLA 4263 HPA-LS 3(3,0)
Evidence: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. *Fall, Spring.*

PLA 4424 HPA-LS 3(3,0)
The Law of Contracts: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. *Fall, Spring.*

PLA 4436 HPA-LS 3(3,0)
Florida Partnerships and Corporations: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. *Fall, Spring.*

PLA 4464 HPA-LS 3(3,0)
Bankruptcy Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. *Occasional.*

PLA 4472 HPA-LS 3(3,0)
Employment Discrimination Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. *Occasional.*

PLA 4485 HPA-LS 3(3,0)
Administrative Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. *Fall, Spring.*

PLA 4521 HPA-LS 3(3,0)
World Hunger Morality & the Law: PR: Junior Standing and C.I. Examine world hunger as a complex issue of sustainable human development, root causes and consequences of domestic and global hunger, and effect on legal systems. *Spring.*

PLA 4530 HPA-LS 3(3,0)
Legal Issues of the Elderly: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. *Occasional.*

PLA 4554 HPA-LS 3(3,0)
Environmental Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Environmental law and policy related to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. *Odd Fall, Odd Spring.*

PLA 4583 HPA-LS 3(3,0)
Cyber Law I: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Analysis of copyright, trademark, and patent issues in cyberspace. *Occasional.*

PLA 4607 HPA-LS 3(3,0)
Estates and Trusts: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. *Fall, Spring.*

PLA 4609 HPA-LS 3(3,0)
Estate Administration: PR: (PLA 4607 and Junior standing) or C.I. Study of the laws and procedures applicable to administration of estates. *Occasional.*

PLA 4703 HPA-LS 3(3,0)
Professional Ethics and Liability: PR: or CR: PLA 3014, and PR: Sophomore Standing, or C.I. Ethical responsibilities of professionals, canons of legal ethics, liability for professional malpractice. *Fall, Spring.*

PLA 4734 HPA-LS 3(3,0)
Advanced Legal Applications Computer Software: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today's law firms and law-related fields. *Occasional.*

PLA 4764 HPA-LS 3(3,0)
Law Office Practices: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. *Occasional.*

PLA 4806 HPA-LS 3(3,0)
Domestic Relations Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. *Fall, Spring.*

PLA 4813 HPA-LS 3(3,0)
Juvenile Law and Procedure: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. *Occasional.*

PLA 4823 HPA-LS 3(3,0)
Sports Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. *Occasional.*

PLA 4824 HPA-LS 3(3,0)
Legal Issues for Athletic Trainers: PR: ATR 3102 and Athletic Training major. Analysis of the legal issues affecting athletic trainers. *Occasional.*

PLA 4825 HPA-LS 3(3,0)
Entertainment Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. *Occasional.*

PLA 4830 HPA-LS 3(3,0)
World Legal Systems: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. *Occasional.*

PLA 4864 HPA-LS 3(3,0)
Admiralty and Maritime Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Admiralty jurisdiction and procedure including contracts for carriage of goods, seaman's contracts and claims, collision and salvage law, and wrongful death. *Occasional.*

PLA 4910 HPA-LS 3(3,0)
Trial Advocacy: PR: PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. *Fall, Spring.*

PLA 4935 HPA-LS 3(3,0)
Capstone: Legal Issues: PR: senior status, PLA 3155, Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. *Fall, Spring.*

PLA 5587 HPA-LS 3(3,0)
Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. *Occasional.*

PLA 5937 HPA-LS 3(1,2)
Seminar in Contemporary Legal Problems: PR: C.I. Analysis of current trends in legislation and court decisions and their significance to American society. *Occasional.*

POR 1120C CAH-LANG 4(3,1)
Elementary Portuguese Language and Civilization I: Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. *Fall.*

POR 1121C CAH-LANG 4(3,1)
Elementary Portuguese Language and Civilization II: PR: POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills: reading, writing, listening, and speaking. *Spring.*

POR 2200 CAH-LANG 3(3,0)
Intermediate Portuguese I: PR: POR 1120C or equivalent or C.I. Development of Portuguese language skills at the intermediate level. *Fall, Spring.*

UCF Courses and Descriptions

POR 2201 CAH-LANG 3(3,0)
Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. *Fall, Spring.*

POR 3140 CAH-LANG 3(3,0)
Accelerated Portuguese for Speakers of Romance Languages: PR: FRE 2201, or ITA 2201, or SPN 2201, or course equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. *Occasional.*

POS 2041 COS-POLS 3(3,0)
American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. *Fall, Spring.*

POS 2041H COS-POLS 3(3,0)
Honors American National Government: PR: Permission of Honors. Same as POS 2041 with honors-level content. *Occasional.*

POS 3076 COS-POLS 3(3,0)
American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. *Occasional.*

POS 3122 COS-POLS 3(3,0)
State Government and Public Policy: PR: POS 2041 or C.I. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. *Occasional.*

POS 3122H COS-POLS 3(3,0)
Honors State Government and Public Policy: PR: POS 2041 or C.I. and permission of Honors. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. With Honors content. *Occasional.*

POS 3173 COS-POLS 3(3,0)
Southern Politics: PR: POS 2041 or C.I. Study of southern politics past and present. Emphasis on factors effecting changes in the region and the states. Southern and national relationship examined. *Occasional.*

POS 3182 COS-POLS 3(3,0)
Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. *Occasional.*

POS 3182H COS-POLS 3(3,0)
Honors Florida Politics: PR: POS 2041 or C.I., and consent of Honors. Foundations of Florida government and political behavior, political institutions, and public policy. With Honors content. *Occasional.*

POS 3233 COS-POLS 3(3,0)
Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. *Fall.*

POS 3234 COS-POLS 3(3,0)
Protest in American Politics: PR: POS 2041 or C.I. Connections between politics and protest in American politics including its impact on policy, and the implications of the generalization of protest for democracy. *Occasional.*

POS 3235 COS-POLS 3(3,0)
Mass Media and Politics: PR: ENC 1102 or POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. *Occasional.*

POS 3235H COS-POLS 3(3,0)
Honors Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. *Occasional.*

POS 3253 COS-POLS 3(3,0)
Contemporary Revolution and Political Violence: PR: ENC 1102 or POS 2041 or C.I. Theories and cases of revolutionary change and political violence in the contemporary world. *Occasional.*

POS 3258 COS-POLS 3(3,0)
Politics in Film: PR: ENC 1102 or POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. *Even Fall.*

POS 3273 COS-POLS 3(3,0)
Voting and Elections: PR: POS 2041 or C.I. Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. *Occasional.*

POS 3413 COS-POLS 3(3,0)
The American Presidency: PR: ENC 1102 or POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office's evolution in status, powers, administrative responsibilities, leadership, and decision-making. *Occasional.*

POS 3424 COS-POLS 3(3,0)
Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change; emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. *Fall.*

POS 3443 COS-POLS 3(3,0)
Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. *Occasional.*

POS 3463 COS-POLS 3(3,0)
Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. *Occasional.*

POS 3627 COS-POLS 3(3,0)
Cultural Pluralism and Law: PR: POS 2041. A case law approach to the legal and constitutional aspects of historical and current issues facing minorities in the U.S. *Occasional.*

POS 3703 COS-POLS 3(3,0)
Scope and Methods of Political Science: PR: POS 2041 or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. *Fall, Spring.*

POS 3733 COS-POLS 3(3,0)
Designing Political Science Research: PR: POS 2041 or INR 2002 or C.I. Logic of inquiry, research design, literature review; research ethics; case studies and case selection; other qualitative methods, such as interview techniques and content analysis. *Even Spring.*

POS 3949 COS-POLS 0(0,8)
Cooperative Education in Political Science: PR: Departmental permission required before registering. Cooperative education experience in political science. Graded S/U. May be repeated. *Occasional.*

POS 4030 COS-POLS 3(3,0)
The Politics of Sports: PR: POS 2041 or C.I. Emergent concerns in sports policy, institutional interventions in sports regulations, the politics of sports arenas and teams, and civic and political engagement through sports. *Occasional.*

POS 4074 COS-POLS 3(3,0)
Latino Politics: PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on U.S. national and international politics and policies. *Occasional.*

POS 4142 COS-POLS 3(3,0)
Metropolitan Politics: PR: POS 2041 or C.I. Analysis of political patterns, processes, and issues in American communities. Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas. *Occasional.*

POS 4204 COS-POLS 3(3,0)
Political Behavior: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. *Occasional.*

POS 4206 COS-POLS 3(3,0)
Political Psychology: PR: ENC 1102 or POS 2041 or C.I. The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics. *Occasional.*

POS 4284 COS-POLS 3(3,0)
Judicial Process and Politics: PR: ENC 1102 or POS 2041 or C.I. Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. *Fall, Odd Spring.*

POS 4412 COS-POLS 3(3,0)
Presidential Campaigning: PR: ENC 1102. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. *Occasional.*

POS 4603 COS-POLS 3(3,0)
American Constitutional Law I: PR: ENC 1102 or POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalization of the economy. *Fall.*

POS 4604 COS-POLS 3(3,0)
American Constitutional Law II: PR: ENC 1102 or POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. *Spring.*

POS 4622 COS-POLS 3(3,0)
Politics and Civil Rights: PR: ENC 1102 or POS 2041 or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. *Occasional.*

POS 4941 COS-POLS 3-9(0,3-9)
Political Science Internship: PR: C.I. Internship working with the national, state, county or municipal government. Assignments with selected civic organizations, elected or appointed officials. May be repeated for credit. *Occasional.*

POT 3204 COS-POLS 3(3,0)
American Political Thought: PR: ENC 1102 or POS 2041 or C.I. From its sources to the 20th century, including liberalism, puritanism, the Federalist, the rise of industrialism, resulting social movements, modern variations. *Odd Fall.*

POT 3302 COS-POLS 3(3,0)
Modern Political Ideologies: PR: ENC 1102. A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. *Occasional.*

POT 4003 COS-POLS 3(3,0)
Political Theory: PR: ENC 1102. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. *Occasional.*

POT 4025 COS-POLS 3(3,0)
Ancient, Medieval and Early Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas in western thought from early Greece through the 17th century. *Occasional.*

POT 4054 COS-POLS 3(3,0)
Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POT 4045 (Ancient, Medieval and Early Modern Political Philosophy). *Occasional.*

POT 4066 COS-POLS 3(3,0)
Contemporary Political Theory: PR: ENC 1102. Study of the contemporary debate about the status of rights, utilitarianism, and liberalism, and communitarian Marxist, libertarian, and feminist critiques of liberalism. *Occasional.*

POT 4109 COS-POLS 3(3,0)
Politics and Literature: PR: Junior standing or C.I. An examination of politics and the political process through the medium of literature. *Occasional.*



POT 4109H COS-POLS 3(3,0)
Honors Politics and Literature: PR: Junior standing. Politics and political process through the medium of literature. *Occasional.*

POT 4305 COS-POLS 3(3,0)
The State, Society, and the Individual: PR: Junior standing or C.I. The relationship between the state, society, and the individual by discussing the works of major authors from Adam Smith to Robert Axelrod. *Odd Fall.*

POT 4314 COS-POLS 3(3,0)
Contemporary Democratic Theory: PR: ENC 1102 or POS 2041 or C.I. Study of democratic theories, emphasizing liberal democracy and its critics, elitist theories, participatory democracy, citizen participation, and relevance of empirical research to democratic theory. *Occasional.*

POT 4331 COS-POLS 3(3,0)
Utopia/Dystopia: PR: ENC 1102. Examines political issues, such as justice, economic distribution and social organization by exploring both classic and contemporary utopias and dystopias. *Occasional.*

POT 4345 COS-POLS 3(3,0)
Pan-Africanist Thought: PR: INR 2002 or C.I. Philosophical assumptions, theoretical frameworks, ideological orientations and social/political thinkers that have contributed to the tradition of Pan-Africanist thought. *Occasional.*

POT 4414 COS-POLS 3(3,0)
Marxist Political Theory: PR: ENC 1102. Survey of Marx & Engels and other thinkers, exposing the theoretical underpinnings of nations and groups who have adapted Marxist principles for governance. *Occasional.*

POT 4632 COS-POLS 3(3,0)
Religion and Politics: PR: ENC 1102 or POS 2041 or C.I. Institutional and individual relationship of religion and politics including globalization, fundamentalism, secularization, American exceptionalism, political behavior, and the religious origins of current secular concepts. *Occasional.*

PPE 3003 COS-PSYCH 3(3,0)
Personality Theory and Research: PR: PSY 2012. A survey of theory and research on the development of personality characteristics. *Fall, Spring.*

PPE 3003H COS-PSYCH 3(3,0)
Honors Personality Theory: PR: PSY 2012 and Consent of Burnett Honors College. Theory and research on the development of personality characteristics. With Honors content. *Occasional.*

PPE 5055 COS-PSYCH 3(3,0)
Personality Theories: PR: Graduate status or senior standing or C.I. Critical theoretical models of personality development with applications to counseling, psychotherapy and psychological assessment. *Occasional.*

PSB 3002 COS-PSYCH 3(3,0)
Physiological Psychology: PR: PSY 2012. The physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. *Fall, Spring.*

PSB 3002H COS-PSYCH 3(3,0)
Honors Physiological Psychology: PR: PSY 2012H and consent of Honors. Physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. With Honors content. *Occasional.*

PSB 3441 COS-PSYCH 3(3,0)
Psychobiological Aspects of Drugs: PR: PSY 2012. An advanced course designed for web instruction. Focuses on pharmacology, neurophysiology and neuroanatomy as the foundation of understanding behavior and social consequences of drug use. *Spring.*

PSB 3842 COS-PSYCH 3(3,0)
Sleep and Dreams: PR: PSY 2012. An overview of the psychological and physiological foundations of sleep and dreams. Concrete facts and disturbances of sleep. Cultural perspectives on, and contemporary applications of dreams. *Occasional.*

PSB 4103C COS-PSYCH 3(2,2)
Biofeedback Applications: PR: PSY 2012, PSB 3002 and C.I. Introduction to theory, instrumentation, research and clinical application of biofeedback. Training in use of biofeedback equipment. Lecture/Lab. *Occasional.*

PSB 4240C COS-PSYCH 4(3,2)
Neuropsychology: PR: PSB 3002. Study of brain function, with particular emphasis on human behavior. Lecture/Lab. *Fall, Odd Fall.*

PSB 5005 COS-PSYCH 3(3,0)
Physiological Psychology: PR: PSB 3002 and graduate status or senior standing or C.I. An advanced survey of the physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. *Occasional.*

PSC 1121 COS-PHYS 3(3,0)
Physical Science: PR: High school algebra or MAC 1105C. Fundamental laws of mechanics, heat, waves, electricity, magnetism; chemical processes and equations, properties of gases, liquids, solids, solutions. *Fall, Spring.* M&S fee \$2.20

PSC 1121L COS-PHYS 1(0,2)
Physical Science Lab: CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity and magnetism, chemical and physical transformations. *Fall, Spring.* M&S fee \$10.00

PSC 1801 COS-PHYS 3(3,0)
Physics in Films: PR: High school algebra. Physics using film as a vehicle of education. Not open to students with credit in PSC 1121. *Occasional.*

PSY 2012 COS-PSYCH 3(3,0)
General Psychology: A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. *Fall, Spring.*

PSY 2012H COS-PSYCH 3(3,0)
Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. *Fall, Spring.*

PSY 2023 COS-PSYCH 2(2,0)
Psychology Cornerstone: Career Paths: PR: PSY 2012. What it means to be a psychology major, career opportunities upon graduation, and different graduate school paths. Graded S/U. *Fall, Spring.*

PSY 3022C COS-PSYCH 3(1,8)
Academic Counseling: PR: PSY 2012. Psychology majors only. Research findings, theory, models and techniques of academic counseling and career advising. Graded S/U. *Fall, Spring.*

PSY 3028 COS-PSYCH 3(3,0)
Psychology of Career Development: PR: PSY 2012 or C.I. Review of career development theories and current psychological literature on career decision-making. Examination of career development in psychology including educational entry requirements and related issues. *Occasional.*

PSY 3204C COS-PSYCH 4(3,1)
Statistical Methods in Psychology: PR: PSY 2012, and either STA 2014C or STA 2023; or C.I. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. *Occasional.*

PSY 3204C COS-PSYCH 4(3,1)
Honors Statistical Methods in Psychology: PR: Consent of Honors, PSY 2012, and either STA 2014C or STA 2023, or C.I. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. With Honors content. *Occasional.*

PSY 3213C COS-PSYCH 5(3,2)
Research Methods in Psychology: PR: PSY 2012, PSY 3204C, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. *Fall, Spring.* M&S fee \$20.00

PSY 3213C COS-PSYCH 5(3,2)
Honors Research Methods in Psychology: PR: PSY 2012, PSY 3204C and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors content. *Occasional.*

PSY 3302 COS-PSYCH 3(3,0)
Psychological Measurement: PR: PSY 2012 and STA 2014C or STA 2023. A study of the theory underlying psychological tests and measurements procedures, including reliability, validity, and item analysis. *Occasional.*

PSY 3320C COS-PSYCH 3(2,2)
Survey Methods in Psychology: PR: PSY 3204C. Sampling methods, questionnaire construction, and interpretation of results. *Occasional.*

PSY 3625 COS-PSYCH 3(3,0)
Science and Pseudoscience in Psychology: PR: PSY 2012 or C.I. Critically evaluates fringe-science, paranormal, and otherwise unusual beliefs about human behavior. Scientific methodology is used to evaluate bizarre claims such as ESP, astrology, voodoo, mind control, and alien abduction. *Occasional.*

PSY 3630 COS-PSYCH 3(3,0)
Psychology of Human-Animal Interaction: PR: PSY 2012. Psychological aspects of human relationships with animals. *Occasional.*

PSY 3951 COS-PSYCH 1-9(3-30)
Undergraduate Field Work: PR: Senior standing and C.I. Placement in a community agency for supervised experience in applications of psychology to community problems. Graded S/U. May be repeated for credit. *Fall, Spring.*

PSY 4025 COS-PSYCH 3(3,0)
The Psychology of Art: PR: or CR: ARH 2050 or ARH 2051, or any ART prefix course. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. *Occasional.*

PSY 4049 COS-PSYCH 1(1,0)
Psychology Capstone: PR: PSY 2012 and Senior Status. Refresh and apply knowledge in core areas of psychology to cutting edge research in applied disciplines. Graded S/U. *Fall, Spring.*

PSY 4215C COS-PSYCH 4(3,2)
Advanced Research Methods in Psychology: PR: PSY 3213C. Design, analysis, and interpretation of complex research projects in psychology. *Fall, Spring.* M&S fee \$20.00

PSY 4270L COS-PSYCH 3(0,3)
Advanced Research Methods Statistical Lab: PR: PSY 3213C and CR: PSY 4215C. Data analysis and research reporting procedures. Experience in analyzing and explaining the methods and results used in research reports. *Occasional.* M&S fee \$15.00

PSY 4604 COS-PSYCH 3(3,0)
History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. *Occasional.*

PSY 4604H COS-PSYCH 3(3,0)
Honors History and Systems in Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. *Occasional.*

PSY 5605 COS-PSYCH 3(3,0)
History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. This course is intended for the PhD in Clinical Psychology; in certain instances graduate students in other programs may enroll. *Odd Fall.*



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PUP 3014 COS-POLS 3(3,0)
Comparative Public Policy: PR: POS 2041 or CPO 3103 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. *Occasional.*

PUP 3203 COS-POLS 3(3,0)
Environmental Politics: PR: ENC 1102 or POS 2041 or C.I. An examination of politics and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. *Odd Fall.*

PUP 3204 COS-POLS 3(3,0)
Sustainability: PR: ENC 1102 or Junior standing. Environmental politics through the lens of "sustainability." Attention devoted to the relationships of culture, economics, and ecology. *Odd Fall.*

PUP 3314 COS-POLS 3(3,0)
Minorities in American Politics: PR: ENC 1102 or POS 2041 or C.I. Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. *Occasional.*

PUP 3325 COS-POLS 3(3,0)
Women and Political Behavior: PR: POS 2041 or ENC 1102, or C.I. Women's role in the political process, emphasizing women in the governmental and policy process. *Occasional.*

PUP 4003 COS-POLS 3(3,0)
American Public Policy: PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. *Occasional.*

PUP 4209 COS-POLS 3(3,0)
Urban Environmental Policy: PR: ENC 1102 or POS 2041 or C.I. Public policy, ecology, and the urban political landscape explored by tracing their development and prospects for sustainable cities. *Occasional.*

PUP 4323 COS-POLS 3(3,0)
Women and Public Policy: PR: POS 2041 or ENC 1102, or C.I. Public policies and processes that achieve a disparate impact on women and women's lives in the United States. *Occasional.*

PUP 4404 COS-POLS 3(3,0)
Education and Politics: PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of education reform. *Occasional.*

PUP 4503 COS-POLS 3(3,0)
Government and Science: PR: ENC 1102 or POS 2041 or C.I. Examination of interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. *Occasional.*

PUP 4510 COS-POLS 3(3,0)
Space Policy: PR: ENC 1102. An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. *Even Fall.*

PUP 4602 COS-POLS 3(3,0)
Politics of Health: PR: ENC 1102. Analysis of public health policies. Primary focus upon political processes, policymakers, and interest group interventions, including consumers and policy outcomes. Comparative health policies. *Occasional.*

PUP 4744 COS-POLS 3(3,0)
Government and Business: PR: ENC 1102. Analysis of public policies regarding business. Study includes various levels of government including international organizations. *Occasional.*

PUP 4931 COS-POLS 3(3,0)
Topics in Public Policy: PR: ENC 1102 or POS 2041, or C.I. Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in the degree program a maximum of 2 times. *Occasional.*

PUR 3004 COS-COMM 3(3,0)
Public Relations and Society: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. The important role public relations has played in the development of contemporary society. *Occasional.*

PUR 3100 COS-COMM 3(2,1)
Writing for Public Relations: PR: Ad-PR Majors only. Development of skills in writing for public relations. *Fall, Spring.*

PUR 3210 COS-COMM 3(3,0)
Communication Approach to Corporate Social Responsibility: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. A communication-based approach to corporate social responsibility. *Occasional.*

PUR 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. *Occasional.*

PUR 4000 COS-COMM 3(3,0)
Public Relations: PR: SPC 1608, or SPC 1603C, or COM 1000. Principles and practice of Public Relations including techniques, research tools publicity, and management. *Fall, Spring.*

PUR 4000H COS-COMM 3(3,0)
Honors Public Relations: PR: Consent of Honors, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Advanced review of principles and practice of public relations including techniques, research tools, publicity and management. *Occasional.*

PUR 4110C COS-COMM 3(1,3)
Public Relations Publications: PR: Ad-PR majors and PUR 3100. Basic principles and techniques of desktop production of public relations publications. *Fall, Spring.*

PUR 4203 COS-COMM 3(3,0)
PR/Advertising Ethics and Law: PR: Ad-PR majors only and ADV 3008. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. *Occasional.*

PUR 4400 COS-COMM 3(3,0)
Crisis Communication: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. The theory, process, and best practices of crisis communication. *Occasional.*

PUR 4801 COS-COMM 3(3,0)
Public Relations Case Studies: PR: Ad-PR majors only and PUR 4000 or C.I. Discussion and analysis of public relations cases highlighting the application of PR theory to advance organizational goals. *Fall, Spring.*

QMB 4700 BA-MAN 3(3,0)
Managerial Decision Making: PR: GEB 3031 and MAN 3025. Computer-based quantitative decision models (including linear programming and extensions, queuing, network models, simulation) and decision support systems for business organizations. *Occasional.*

REA 1105 ED-TL&L 3(3,0)
College Reading I: College reading improvement focusing on content areas and advanced study skills, comprehension, vocabulary growth, reading rate, note taking, and test preparation. *Fall, Spring.*

RED 3012 ED-TL&L 3(3,0)
Basic Foundations of Reading: PR: Junior standing or C.I. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. *Fall, Spring.*

RED 3310 ED-CFCS 3(3,0)
Early Reading, Writing and Language Arts: PR: Admission to the Early Childhood Education Program. Emergent reading/writing processes during preschool, kindergarten, and first grade; methods for implementing integrated language arts curriculum; guiding developmental early childhood language experiences. *Occasional.*

RED 4043 ED-TL&L 3(3,0)
Content Reading in Kindergarten through Grade 12: PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum; Principles, strategies, assessment, and promising practices. *Fall, Spring.*

RED 4311 ED-CFCS 3(3,0)
Primary Reading, Writing, and Language Arts Curriculum and Assessment: PR: RED 3012 and RED 3310; CR: EEC 3940. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. *Fall.*

RED 4519 ED-TL&L 3(3,1)
Diagnostic and Corrective Reading Strategies: PR: RED 3012. An investigation of the needs of individual learners in reading instruction. Organization and techniques for promoting optimum reading growth. Concurrent school experiences required. *Fall, Spring.*

RED 4942 ED-TL&L 3(3,0)
Practicum for Assessment and Instruction of Reading: PR: RED 4519. Corequisite: Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. *Fall, Spring.*

RED 5147 ED-TL&L 3(3,0)
Developmental Reading: PR: **EDG 4323. Principles, procedures, organization, and current practices in the elementary reading program. Materials and methods of instruction. *Fall, Spring.*

RED 5517 ED-TL&L 3(3,1)
Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and corrective teaching in reading; instructional materials. Case study required. *Even Fall, Spring.*

RED 5948 ED-TL&L 3(3,0)
Practicum in Reading Assessment and Instruction: PR: RED 5517. Practicum that requires application of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. *Fall, Spring.*

REE 3043 BA-FIN 3(3,0)
Fundamentals of Real Estate: PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. *Fall, Spring.*

REE 3433 BA-FIN 3(3,0)
Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. *Fall, Spring.*

REE 3614 BA-FIN 3(3,0)
Environmental Issues for Real Estate: PR: REE 3043, REE 3433; open to majors or minors which require this course. Political, cultural, institutional and scientific mechanisms which shape environmental policy. The effects of hazard, risk and uncertainty in policy development. *Occasional.*

REE 4103 BA-FIN 3(3,0)
Real Estate Appraisal and Valuation: PR: FIN 3403C. Focus on the fundamentals of real estate valuation utilizing tools of financial and economic analysis. *Occasional.*

REE 4203 BA-FIN 3(3,0)
Commercial Real Estate Finance: PR: FIN 3403C; open to majors or minors which require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. *Occasional.*

REE 4204 BA-FIN 3(3,0)
Residential Real Estate Finance: PR: FIN 3403C; open to majors or minors which require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. *Fall, Spring.*



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REE 4303 BA-FIN 3(3,0)
Real Estate Investment Analysis: PR: FIN 3403C. Focus on real estate decision-making in the private sector utilizing tools of financial and economic analysis. *Fall, Spring.*

REE 4732 BA-FIN 3(3,0)
Real Estate Development: PR: FIN 3403C. The real estate development process, from the inception of a project through to lease-up, long-term financing, and final sale to the investment community. *Fall.*

REE 4933 BA-FIN 3(3,0)
Advanced Topics in Real Estate: PR: REE 3043 and REE 3433, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Cases cover the entire planning process for a real estate development or redevelopment project. *Occasional.*

REL 2000 CAH-PHIL 3(3,0)
Introduction to Religious Studies: Introduction to the academic study of religion; exploration of the phenomenon of religion and critical thinking about the question: What is religion?. *Fall.*

REL 2300 CAH-PHIL 3(3,0)
World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. *Fall, Spring.*

REL 2300H CAH-PHIL 3(3,0)
Honors World Religions: PR: Permission of Honors. Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Honors-level content. *Occasional.*

REL 3101 CAH-PHIL 3(3,0)
Religion in Popular Culture: PR: REL 2000, REL 2300 or C.I. Exploration of traditional religion in popular culture and popular culture as non-traditional religion by means of various postmodern, theoretical perspectives with emphasis on the religious dynamics involved but often unnoticed in popular (secular) culture. *Fall.*

REL 3111 CAH-PHIL 3(3,0)
Religion and Philosophy Through Film: PR: ENC 1102 and either PHI 2010 or REL 2300 or FIL 1000. Religious and philosophical themes encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. *Occasional.*

REL 3112 CAH-PHIL 3(3,0)
Religion and 20th Century Fantasy Texts: PR: HUM 2230 or REL 2300 or C.I. Explorations of religion and secularity in the texts of Harry Potter, Lord of the Rings, Chronicles of Narnia, and His Dark Materials. *Occasional.*

REL 3115 CAH-PHIL 3(3,0)
Religion, Spirituality, and Popular Music: PR: HUM 2230 or REL 2300. Contemporary spiritual sensibilities encountered at the intersection of religion, philosophy, and popular music. *Odd Fall.*

REL 3123 CAH-PHIL 3(3,0)
Asian Religions in America: PR: REL 2300 or REL 2000. Examines both the Euro-American assimilation of Asian religions and immigrant Asian religious communities. Explores cross-cultural exchange, religious innovation and cultural appropriation. *Even Spring.*

REL 3130 CAH-PHIL 3(3,0)
Religion in America: PR: REL 2300. Religious traditions in America, their relationship to politics, popular culture, media, and society. *Even Spring.*

REL 3320 CAH-PHIL 3(3,0)
Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. *Occasional.*

REL 3333 CAH-PHIL 3(3,0)
Hinduism: PR: HUM 2230, REL 2300, or C.I. A survey of the development of Hindu thought and culture from Vedic times to the Upanashids, Epic Literature to the modern age. *Even Spring.*

REL 3340 CAH-PHIL 3(3,0)
Buddhist Thought: PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. *Odd Fall, Spring.*

REL 3363 CAH-PHIL 3(3,0)
Islam: PR: REL 2300 or C.I. Development of Islamic religious thought and culture, emphasizing the teachings of the Qur'an, Hadith, Islamic law, and philosophy with special focus on perceptions of Islam in the West. *Fall.*

REL 3403 CAH-PHIL 3(3,0)
Christianity: PR: REL 2300. A study of Christianity and the history of its associated beliefs, rituals, and art with special attention to issues concerning human nature, social justice, the state, just war, science, and attitudes toward women. *Occasional.*

REL 3432 CAH-PHIL 3(3,0)
Roots of Western Mysticism: PR: HUM 3431, HUM 3435, REL 3403, REL 3320, PHH 3100, or PHH 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. *Even Fall, Odd Spring.*

REL 4110 CAH-PHIL 3(3,0)
Religion and the Arts: PR: At least one of the following: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. *Occasional.*

REL 4157 CAH-PHIL 3(3,0)
Religion and Psychoanalysis: PR: REL 2300 and REL 2000. Interactions between psychoanalysis and religion, including multiple perspectives of psychoanalytic theorists on different religious traditions and phenomena. *Even Spring.*

REL 4178 CAH-PHIL 3(3,0)
Religion and Law: PR: POS 2041. Ideas and events which mark the relationship of religious ideation and practice, law and politics and cultural values which inform them. *Fall.*

REL 4180 CAH-PHIL 3(3,0)
Religion and Medicine: PR: Junior standing and REL 2300 or C.I. A comparative study of the approaches toward medicine and healing in different religious traditions, both in the US and abroad. *Occasional.*

REL 4180H CAH-PHIL 3(3,0)
Honors Religion and Medicine: PR: ENC 1102H, Junior standing and Consent of Honors. A comparative study of the approaches toward medicine and healing in different religious traditions in the U.S. and in the wider world. With Honors content. *Occasional.*

REL 4496 CAH-PHIL 3(3,0)
Key Concepts in Religion and Cultural Studies: PR: REL 2000, or C.I. Study of the development, meaning, and implications of a central concept in Religious Studies. May be repeated for credit only when course content is different. *Occasional.*

REL 4901 CAH-PHIL 1(1,0)
Portfolio: PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sampling of a student's best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. *Occasional.*

REL 4910 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Religious Studies major, or C.I. Capstone course on research, developing effective oral and written communication skills. *Spring.*

REL 4936 CAH-PHIL 3(3,0)
Key Figures in Religion and Cultural Studies: PR: REL 2000, or C.I. Study of a central figure's work, influences, and effect. May be repeated for credit only when course content is different. *Occasional.*

RET 3026C HPA-HP 4(3,3)
Introduction to Respiratory Care.: PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamental respiratory principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. *Fall.*

RET 3269C HPA-HP 4(3,3)
Mechanical Ventilation: PR: RET 3026C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. *Occasional.*

RET 3493C HPA-HP 3(2,3)
Respiratory Clinical Assessment: PR: RET 3026C or C.I. Demonstration of physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. *Spring.*

RET 3494C HPA-HP 4(3,3)
Cardiopulmonary Physiology: PR: PCB 3703C. Normal ventilation, lung mechanics, pulmonary circulation, diffusion, and blood gases, with an emphasis toward diagnostic cardiology. *Fall.*

RET 3717C HPA-HP 3(3,0)
Pediatric Respiratory Care: PR: RET 3026C. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. *Spring.*

RET 3884L HPA-HP 5(0,16)
Clinical Practice I: PR: C.I. Basic equipment and patient care. IPPB therapy. Cleaning sterilization and maintenance procedures. Suction techniques. *Occasional.*

RET 3885L HPA-HP 8(0,24)
Clinical Practice II: PR: C.I. Patient care with advanced respiratory equipment. Tracheostomy care. Introduction to cardiopulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment. *Fall.*

RET 4034 HPA-HP 3(3,0)
Problems in Patient Management: PR: RET 3494C. Problem-oriented approach to the treatment of chronic and acute respiratory disorders. Computer-based clinical simulations are utilized. Emphasis on patient centered care planning. *Fall.*

RET 4246 HPA-HP 3(3,0)
Life Support Systems: PR: RET 3026C. Lecture-laboratory, measures supporting critically ill patients; intubation, airway maintenance, arterial and venous lines, post-operative care. Cardiac output determination, electrocardiography, intra-aortic balloon pumping covered. *Spring.*

RET 4287 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics I: PR: RET 4246. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing. *Fall.*

RET 4288 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics II: PR: RET 4246 and RET 4287. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. *Spring.*

RET 4465C HPA-HP 4(3,3)
Pulmonary Function Studies: PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. *Occasional.*

RET 4505 HPA-HP 3(3,0)
Chest Medicine: PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. *Spring.*

RET 4536 HPA-HP 3(3,0)
Cardiopulmonary Rehabilitation: PR: RET 3026C & RET 3494C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. *Spring.*

RET 4934 HPA-HP 2(2,0)
Selected Topics in Respiratory Therapy: PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. *Spring.*



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RET 5910 HPA-HP 3(3,0)
Research Methods in Cardiopulmonary Physiology: Introduction to methods used in scientific and medical research in cardiopulmonary physiology. Literature review, experimentation, and data analysis. *Occasional.*

RMI 3011 BA-FIN 3(3,0)
Principles of Risk and Insurance: PR: FIN 3403C. Emphasis is on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. *Spring.*

RTE 3000 HPA-HP 3(3,0)
Introduction to Radiologic Sciences: PR: Admission to Radiologic Sciences program. Orientation to career field, radiation protection, principles and procedures of medical imaging and radiation therapy. *Fall.*

RTE 3111C HPA-HP 2(1.5,1.5)
Introduction to Patient Care: PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiography. *Fall.*

RTE 3116 HPA-HP 3(3,0)
Advanced Patient Care: PR: RTE 3111C or C.I. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, pediatrics and interventional procedures. *Spring.*

RTE 3418C HPA-HP 3(2.5,1.5)
Principles of Radiographic Exposure I: An introduction to the technical variables influencing radiographic and fluoroscopic image quality, including equipment considerations, prime exposure factors, image receptors, and accessory exposure devices. *Fall.*

RTE 3457C HPA-HP 3(2.5,1.5)
Principles of Radiographic Exposure II: PR: RTE 3418C or C.I. Study of technical and photographic processing variables influencing conventional, radiographic and digital image quality. *Spring.*

RTE 3503C HPA-HP 3(2,3)
Radiographic Procedures I: PR: Admission to the program. Provides fundamental knowledge of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the chest, abdomen, routine contrast studies, and the upper extremity. *Fall.*

RTE 3513C HPA-HP 3(2,3)
Radiographic Procedures II: PR: RTE 3503C or C.I. Continuation of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the shoulder, bony thorax, lower extremity, vertebral column, cranium, and facial bones. *Spring.*

RTE 3614 HPA-HP 2(2,0)
Physics of Image Production: PR: College Physics II. Physics of diagnostic radiology, including radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation. *Fall.*

RTE 3804L HPA-HP 2(0,8)
Clinical Education I: PR: Admission to Radiologic Sciences Major. Supervised clinical practice in radiologic procedures, radiation protection, patient care and equipment with emphasis on chest and abdomen procedures and patient care activities. *Fall.*

RTE 3814L HPA-HP 4(0,16)
Clinical Education II: PR: RTE 3804L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the GI tract, urinary tract, extremities and shoulder girdle. *Spring.*

RTE 4206 HPA-HP 3(3,0)
Leadership in Radiological Sciences: PR: Senior level status in RS major or C.I. Study of the theories, principles and skills needed to function in a leadership position in Radiologic Sciences. *Spring.*

RTE 4209 HPA-HP 2(0,8)
Radiological Administrative Practice: A directed practice in the management of a radiology department, with application of theory and methodology. *Occasional.*

RTE 4385 HPA-HP 1(1,0)
Radiobiology: PR: RTE 3308. A study of the effects of ionizing radiation on biologic systems. The responses at the cellular and total organism level are investigated. *Fall.*

RTE 4473 HPA-HP 3(3,0)
Quality Improvement: PR: Registered technologist or Senior standing. The study of quality improvement and quality control from the perspective of radiology services. *Spring.*

RTE 4563 HPA-HP 2(2,0)
Special Radiographic Procedures: PR: RTE 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. *Occasional.*

RTE 4574 HPA-HP 1(1,0)
Computed Tomography Protocols: PR: Senior level status in Radiologic Sciences program. Examines the application of imaging techniques accomplished by multidetector row computed tomography acquisition. *Fall.*

RTE 4579 HPA-HP 1(1,0)
Magnetic Resonance Imaging Protocols: PR: Senior Level status in Radiologic Sciences Program. Provides overview of imaging protocols used for specific MRI procedures. Content includes patient screening, safety procedures, patient positioning, coil and accessory device selection and use. *Fall.*

RTE 4762 HPA-HP 3(3,0)
Anatomy for the Medical Imager: PR: ZOO 3733C and PCB 3703C. A study of the normal anatomical structures and interrelationships of structures as demonstrated in a radiographic and cross-sectional imaging reference. *Fall, Spring.*

RTE 4782 HPA-HP 2(2,0)
Pathophysiology: PR: C.I. The study of radiologic science in the diagnosis and treatment of disease. *Spring.*

RTE 4824L HPA-HP 5(0,20)
Clinical Education III: PR: RTE 3814L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on the pelvis, bony thorax, vertebral column and mobile radiography. *Occasional.*

RTE 4834L HPA-HP 6(0,24)
Clinical Education IV: PR: RTE 4824L. Supervised clinical practice in radiographic/fluoroscopic procedures, mobile radiography and rotations through specialized imaging. *Fall.*

RTE 4844L HPA-HP 2(0,8)
Clinical Education V-A: PR: RTE 4834L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. *Spring.*

RTE 4846L HPA-HP 4(0,16)
Clinical Education V-B: PR: RTE 4834L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. *Spring.*

RTE 4854L HPA-HP 4(0,16)
Advanced Clinical Practicum: PR: RTE 4834L or RTE 4846L or Admission to AS to BS Transfer Program. Supervised clinical practice in computed tomography, interventional radiology, cardiac catheterization, magnetic resonance, mammography, trauma or pediatrics. *Fall, Spring.*

RTE 4903 HPA-HP 2(0,8)
Directed Study in Radiologic Education: PR: ECT 3371 or EDG 4323 or C.I. Directed activity in classroom instruction in radiologic technology. *Occasional.*

RTV 2102 COS-COMM 3(3,0)
Writing for the Electronic Media: PR: ENC 1102, RTV Major. Practical experience in writing for various electronic media including radio, television, corporate, and digital media. Scripting requirements, writing styles and creative applications. *Odd Fall, Spring.*

RTV 3007 COS-COMM 3(3,0)
Development and Structure of Electronic Media and New Technology: PR: SPC 1608 or SPC 1603C or COM 1000 or C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. *Fall, Spring.*

RTV 3200 COS-COMM 3(3,0)
Production Fundamentals and Aesthetics of Electronic Media: PR: or CR: RTV 3007 or C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems. *Fall, Spring.*

RTV 3210C COS-COMM 3(2,1)
Audio Production I: PR: RTV 3200 and RTV Major-Production Specialization. Audio production theory and recording techniques utilizing various microphone types, and digital non-linear audio computer-based editing equipment. Students should expect significant work in the RTV facility outside of class. *Fall, Spring.* M&S fee \$20.00

RTV 3223C COS-COMM 3(2,1)
Lighting for Video: PR: RTV 3228C or RTV 3260C, and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, single and multiple-camera video production. Students should expect significant work in the RTV facility outside of class. *Odd Fall, Spring.* M&S fee \$30.00

RTV 3228C COS-COMM 4(3,1)
Studio Television Production: PR: RTV 3200 and RTV Major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape recorders, cameras, video switchers, lighting, and electronic graphics. Students should expect significant work in the RTV facility outside of class. *Odd Fall, Spring.* M&S fee \$30.00

RTV 3234C COS-COMM 3(2,1)
Broadcast Announcing and Performance: PR: RTV Major, Junior standing, and C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditioning, performance in scenes and commercials. Expect extensive studio work in the RTV facility outside of the class. *Spring.* M&S fee \$15.00

RTV 3260C COS-COMM 4(3,1)
Single Camera Video Production and Editing: PR: RTV 3200 and RTV Major-Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV facility outside of class. *Fall, Spring.* M&S fee \$29.00

RTV 3263C COS-COMM 3(2,1)
Advanced Video Post-Production: PR: RTV 3260C and RTV Major - Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. *Fall, Spring.* M&S fee \$15.00

RTV 3283C COS-COMM 3(2,1)
Production of Interactive Multimedia: PR: CGS 1060C; major status in R-TV, Ad-PR, Journalism, Organizational and Interpersonal Communication. Practice and production of electronic interactive multimedia for the broadcast industry. Students should expect significant work in the RTV facility outside of class. *Fall.* M&S fee \$10.00

RTV 3301 COS-COMM 3(3,0)
Electronic Journalism I: PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. News writing and newsgathering skills and strategies and their accompanying ethical considerations for analog and digital delivery of broadcast journalism. *Fall, Spring.*



RTV 3304 COS-COMM 3(3,0)
Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages. *Fall, Spring.* M&S fee \$10.00

RTV 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. *Occasional.*

RTV 3942L COS-COMM 1-3(0,3-9)
Practicum: PR: C.I., RTV Major, and either RTV 3210C, RTV 3228C, or RTV 3260C. Student will serve in some position of responsibility for UCF Weekly News or other RTV program. Graded S/U. May be repeated for credit. *Occasional.*

RTV 4206C COS-COMM 3(2,1)
Television Directing: PR: RTV 3228C, RTV 3260C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students should expect significant work in the RTV facility outside of class. *Fall, Spring.* M&S fee \$30.00

RTV 4211C COS-COMM 3(2,1)
Audio Production II: PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. *Occasional.* M&S fee \$15.00

RTV 4271C COS-COMM 3(2,1)
Radio Production and Programming: PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. *Fall.*

RTV 4280C COS-COMM 3(2,1)
Webcasting I: PR: RTV Major and PR or CR: RTV 3283C. Presentation of broadcast material on the web. Integrates the distribution of radio, television, and web content. Students should expect significant work in the RTV lab facility outside of class. *Occasional.* M&S fee \$15.00

RTV 4281C COS-COMM 3(2,1)
Webcasting II: PR: RTV 4280C and RTV Major. Production of digital media in conjunction with other RTV production activities to repurpose broadcast content for delivery on the web. Students should expect significant work in the RTV lab facility outside of class. *Occasional.* M&S fee \$15.00

RTV 4320C COS-COMM 4(1,3)
Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. *Fall, Spring.* M&S fee \$20.00

RTV 4322C COS-COMM 3(2,1)
Advanced TV News: PR: RTV 4320C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. *Occasional.*

RTV 4403 COS-COMM 3(3,0)
Electronic Media, Technology, and Society: PR: RTV 3007 or C.I. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. *Fall, Spring.*

RTV 4503 COS-COMM 3(3,0)
Sports Programming in Electronic Media: PR: Either SPC 1608, COM 1000, RTV 3007, or C.I. Factors that determine how sporting events are constructed for programming on broadcast stations, cable television, and other forms of electronic media. *Fall.*

RTV 4505 COS-COMM 3(2,1)
Program Issues for TV & Motion Pictures: PR: RTV 3007 or FIL 2030 or C.I. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. *Occasional.*

RTV 4700 COS-COMM 3(3,0)
Regulation of Broadcasting: PR: RTV Major or Mass Comm. minor, and RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. *Fall.*

RTV 4800 COS-COMM 3(3,0)
Broadcast Management: PR: RTV Majors only, RTV 4700. Examination of broadcast management problems in station operations at local, regional, and national levels. *Spring.*

RUS 1120 CAH-LANG 4(4,1)
Elementary Russian Language and Civilization I: Introduces the student to Russian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. *Occasional.*

RUS 1121 CAH-LANG 4(4,1)
Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Continuation of RUS 1120. *Occasional.*

RUS 2200 CAH-LANG 3(3,1)
Intermediate Russian Language and Civilization I: PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. *Occasional.*

RUS 2201 CAH-LANG 3(3,1)
Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. *Occasional.*

RUS 2210 CAH-LANG 3(3,0)
Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. *Occasional.*

RUS 3240 CAH-LANG 3(3,0)
Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. *Occasional.*

RUS 3760 CAH-LANG 3(3,0)
Advanced Russian Oral Communication: PR: RUS 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. *Occasional.*

RUT 3505 CAH-LANG 3(3,0)
Russian Culture and Civilization: PR: ENC 1102 or C.I. Russian culture and civilization through a variety of topics and media. *Occasional.*

SCC 3311 HPA-CJ 3(3,0)
Security Administration: Discussion of modern security administration and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. *Occasional.*

SCC 3316 HPA-CJ 3(3,0)
Special Security Problems: PR: SCC 3311 or C.I. Review and application of basic security principles to retail security, transportation/cargo security, utility security, computer security, and other special security situations. *Occasional.*

SCE 3310 ED-TL&L 3(3,0)
Teaching Science in Elementary School: PR: EDG 4410 or C.I. CR: EDE 3942. Selected concepts; organizing for instruction; techniques; evaluation procedures. *Fall, Spring.* M&S fee \$10.00

SCE 4304 ED-CFCS 3(3,0)
Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum. *Fall.*

SCE 4360 ED-TL&L 4(4,0)
Science Instructional Analysis: PR: EDG 4410 or C.I.; CR: SCE 3940. Course objectives for a school curriculum and methods and materials for the middle grades and high school. *Fall, Spring.* M&S fee \$8.00

SCE 4361 ED-TL&L 3(3,0)
Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. *Spring.*

SCE 5325 ED-TL&L 3(3,0)
Teaching Middle School Science: PR: EDG 6415, TSL 5085 or admission to MED program or Initial Teacher Professional Preparation certificate. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary teaming, technology use, ESOL, and inquiry in science. *Occasional.*

SCE 5337 ED-TL&L 3(3,0)
Issues and Methods in Secondary School Science: PR: EDG 6415, TSL 5085, or admission to MED program or Initial Teacher Professional Preparation certificate. Secondary science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. *Fall, Spring.*

SCE 5836 ED-TL&L 3(3,0)
Space and Physical Science for Educators: PR: Graduate standing or C.I. Introduction to space and physical science, manned space flight, and space education curriculum. *Occasional.*

SLS 1501 ED-E&HS 3(3,0)
Strategies for Success in College: PR: First Time in College (FTIC) standing or C.I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. *Fall, Spring.*

SLS 2311C COM-M&M 2(2,1)
Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. *Spring.*

SLS 2715 ED-E&HS 2(2,0)
Peer Educator Leadership: PR: Orientation Team Members or C.I. Training peer educators in helping strategies applicable to their peer leadership positions. *Fall, Spring.*

SOP 2772 COS-PSYCH 3(3,0)
Sexual Behavior: PR: PSY 2012. Physiological, social, and clinical aspects of human sexuality. *Fall.*

SOP 3004C COS-PSYCH 3(3,2)
Social Psychology: PR: PSY 2012. Effects of social situations and social variables on the behavior of individuals. *Fall, Spring.*

SOP 3723 COS-PSYCH 3(3,0)
Cross Cultural Psychology: PR: PSY 2012. Exploration of theories, issues, and research concerned with the psychological understanding of under-represented minority groups. *Odd Spring.*

SOP 3724 COS-PSYCH 3(3,0)
Psychology of Prejudice: PR: PSY 2012. Examination of literature relating to prejudice toward groups and individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. *Even Spring.*

SOP 3742 COS-PSYCH 3(3,0)
Psychology of Women: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. *Fall, Spring.*

SOP 3751 COS-PSYCH 3(3,0)
Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000, or C.I. Ethical and legal dilemmas and issues in the practice of psychology. *Occasional.*

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SOP 3784 COS-PSYCH 3(3,0)
Psychology of Diversity: PR: PSY 2012. A review of the contributions of psychology to the understanding of human diversity related to ethnic background, gender, sexuality, and belief systems. *Occasional.*

SOP 5059 COS-PSYCH 3(3,0)
Advanced Social Psychology: PR: SOP 3004C, graduate status or senior standing, or C.I. The major findings and theories in social psychology including an in-depth review of relevant research. *Occasional.*

SOW 2020 HPA-SOWK 3(3,0)
Careers in Creating Social Change: Introduces students to the field of social services, with emphasis on the social work profession and other careers that create social change. *Fall.*

SOW 3104 HPA-SOWK 3(3,0)
Assessing I: Human Development: PR: Junior Standing or C.I. Skill development in assessing "person-in-environment" throughout life cycle. Study interaction of bio-psychosocial, cultural, and systemic influences on human functioning. Open to non-majors and pending social work majors. *Fall.*

SOW 3111 HPA-SOWK 3(3,0)
Assessing II: Human Systems: PR: Admission to BSW Program and SOW 3104. Development of skills in assessing families, groups, organizations, and communities, their impact on human functioning, and their potential for providing social support. *Spring.*

SOW 3284 HPA-SOWK 3(3,0)
Social Work Perspectives on Social Justice: PR: Junior Standing or C.I. Examination of the social justice mission of the social work profession. Addresses professional values, the rights of populations served, and justice within practice fields. *Fall, Spring.*

SOW 3300 HPA-SOWK 3(2,1)
Practice I: Generalist Practice in Social Work: PR: Admin. to Social Work Program. Study of social work functions, knowledge, values, and skills. Development of ability to use a generalist model of practice. *Fall.*

SOW 3352 HPA-SOWK 3(1,2)
Practice II: Interpersonal Skills in Social Work: PR: SOW 3300. PR or CR: SOW 3300. Study and practice of interviewing, group leadership, written communication, and oral presentations, in consensual as well as conflictual contexts of social work. *Spring.*

SOW 3401 HPA-SOWK 3(3,0)
Social Work Research: PR: STA 2014C or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. *Spring.*

SOW 3620 HPA-SOWK 3(3,0)
Social Work with Diverse Populations: PR: SOW 3284 and SOW 3104; PR or CR: SOW 3300. Social work intervention and skill development needed to serve oppressed groups. *Spring.*

SOW 3740 HPA-SOWK 3(3,0)
Social Work Practice with Loss & Life's Transitions: PR: Junior Standing or C.I. A wide range of losses across the life span will be presented from a strengths perspective. Assessment & intervention recognizing cultural differences will be addressed. *Fall.*

SOW 4232 HPA-SOWK 3(3,0)
Social Welfare Policies and Issues: PR: SOW 3284. Development of skills needed to critically analyze social welfare goals, structures, and practices. Proposes improvements in societal resource systems. *Fall.*

SOW 4283 HPA-SOWK 3(3,0)
Social Work and the Law: PR: Junior Standing or C.I. An overview of the legal system focusing on roles social workers play within the courts and legal processes pertaining to family law, mental health, child welfare. *Fall.*

SOW 4322 HPA-SOWK 3(3,0)
Social Work Practice with Groups: PR: SOW 3104 and Junior Standing. Provide theories and skills of generalist social work practice with small groups in a wide range of social service agencies and with diverse client populations. *Spring.*

SOW 4341 HPA-SOWK 3(1,2)
Micro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and supportive and remedial groups. *Fall.*

SOW 4343 HPA-SOWK 3(1,2)
Macro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. *Fall.*

SOW 4510 HPA-SOWK 9(0,28)
Field Education: PR: Completion of required courses in major: GPA 2.5 in major. CR: SOW 4522. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. *Spring.*

SOW 4522 HPA-SOWK 3(2,1)
Field Education Seminar: PR: Completion of required courses in major: CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. *Spring.*

SOW 4602 HPA-SOWK 3(3,0)
Social Work in Health Settings: PR: Junior Standing or C.I. Study of social work roles, interventions, and issues related to helping patients in health settings. *Fall.*

SOW 4645 HPA-SOWK 3(3,0)
Social Services for the Elderly: PR: Junior Standing or C.I. Development of interventive skills for obtaining, providing, and improving social services in behalf of elderly persons and their families. *Fall.*

SOW 4650 HPA-SOWK 3(3,0)
Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to BSW program or C.I. The social worker's role and interventions with victims of child abuse and their family members. *Spring.*

SOW 4654 HPA-SOWK 3(3,0)
Children's Services: PR: (Admission to BSW program) or (PR: or CR: SOW 3104). Study of societal responses to children's needs. Development of skills for preventing family breakdown, placing children in alternative care, and reuniting children with their families. *Fall, Spring.*

SOW 4673 HPA-SOWK 3(3,0)
Social Work Practice: The Gay and Lesbian Experience: PR: Junior Standing or C.I. Sexual orientation and cultural diversity, policies and resources affecting gay & lesbian people, community based therapeutic and preventive interventions with gay & lesbian clients. *Even Spring.*

SOW 4705 HPA-SOWK 3(3,0)
Prevention and Treatment of Adolescent Substance Abuse: PR: Junior Standing. An in-depth review of prevention, intervention, and treatment, recovery and relapse issues and public policies regarding adolescents with substance abuse problems. *Even Fall, Spring.*

SOW 4706 HPA-SOWK 3(3,0)
Intervention with Substance Abusers: PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. *Fall, Even Spring.*

SOW 4730 HPA-SOWK 3(3,0)
Documentation in Social Work Practice: PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. *Fall.*

SOW 4754 HPA-SOWK 3(3,0)
Forensic Social Work Theory and Practice: PR: Junior Standing or C.I. The role of social workers within the courts and criminal justice system. *Occasional.*

SOW 4794 HPA-SOWK 3(3,0)
Social Work with Immigrants and Refugees: PR: SOW 3620 and Junior Standing, or C.I. Social work practice with immigrants and refugees; specifically addressing social policies, programs and legal issues impacting from a national and an international perspective. *Fall.*

SOW 5105 HPA-SOWK 3(3,0)
Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. *Fall.*

SOW 5106 HPA-SOWK 3(3,0)
Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. *Spring.*

SOW 5132 HPA-SOWK 3(3,0)
Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. *Spring.*

SOW 5149 HPA-SOWK 3(3,0)
Military and Veteran Culture with Historical Frameworks: PR: Admission to Master of Social Work program or C.I. Thorough analysis of military and veteran systems. Provides the frameworks to assist social workers in better understanding, communicating and practicing with veterans and their families. *Spring.*

SOW 5175 HPA-SOWK 3(3,0)
Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. *Occasional.*

SOW 5235 HPA-SOWK 3(3,0)
Social Welfare Policies and Services: Study of societal responses to human needs; forces shaping social welfare systems; introduces frameworks for analyzing social policies and services. *Fall.*

SOW 5305 HPA-SOWK 3(3,0)
Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. *Fall.*

SOW 5306 HPA-SOWK 3(3,0)
Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. *Spring.*

SOW 5355 HPA-SOWK 3(3,0)
Studies in Social Work Practice: PR: C.I. Analysis of one or more urban practice issues and approaches. May be repeated for credit. *Occasional.*

SOW 5387 HPA-SOWK 3(3,0)
Nonprofit Resource Development: PR: Admission to certificate program or C.I. Resource Development in nonprofit organizations, including board development and leadership, volunteer program development, staff development, grant funding, fundraising, marketing, and government contract development and management. *Occasional.*

SOW 5404 HPA-SOWK 3(3,0)
Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. *Fall.*

SOW 5432 HPA-SOWK 3(3,0)
Evaluating Social Work: Study of single case designs in social work; recording methods; behavioral and standardized measures; applications to individuals, families, groups, programs, communities. *Occasional.*

SOW 5532 HPA-SOWK 2(2,0)
Generalist Field Education I: PR: Admission to MSW program. Supervised practice of social work in an agency for 224 clock hours. Graded S/U. *Fall, Even Spring.*



SOW 5533 HPA-SOWK 2(2,0)
Generalist Field Education II: PR: MSW. Continuation of SOW 5532 Generalist Field Education I in the same field agency for 224 clock hours. Graded S/U. *Odd Fall, Spring.*

SOW 5534 HPA-SOWK 1(1,0)
Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: SOW 5532. Seminar designed to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. *Fall.*

SOW 5538 HPA-SOWK 3(3,0)
Full-Time MSW Generalist Field Education and Seminar I: PR: Graduate standing or C.I.; CR: SOW 5305. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. *Occasional.*

SOW 5539 HPA-SOWK 3(3,0)
Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5306. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. *Occasional.*

SOW 5546 HPA-SOWK 1(1,0)
Generalist Field Education Integrative Seminar I I: PR: Admission to MSW program. CR: Generalist Field Education II. Continuation of generalist field education integrative seminar I to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. *Spring.*

SOW 5565 HPA-SOWK 2(2,0)
Part-Time MSW Generalist Field Education and Seminar I: PR: SOW 5305; CR SOW 5306. Field education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded S/U. *Occasional.*

SOW 5566 HPA-SOWK 2(2,0)
Part-Time MSW Generalist Field Education and Seminar II: PR: SOW 5565; CR: SOW 5306. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded S/U. *Occasional.*

SOW 5567 HPA-SOWK 2(2,0)
Part-Time MSW Generalist Field Education and Seminar III: PR: SOW 5566. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 140 clock hours. Graded S/U. *Occasional.*

SOW 5624 HPA-SOWK 3(3,0)
Social Work Practice in Mexican Culture: PR: C.I. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. *Occasional.*

SOW 5625 HPA-SOWK 3(3,0)
Social Work with Women: Alternative approaches to the treatment of women in the urban setting. *Occasional.*

SOW 5642 HPA-SOWK 3(3,0)
Aging in Social Situations: PR: Admission to MSW program or Gerontology certificate program or C.I. Knowledge about elderly in social situations or environmental context. *Occasional.*

SPA 3002 HPA-COM SC&DIS 3(3,0)
Introduction to Communication Disorders: PR: PSY 2012 or SYG 2000. Etiology, symptoms, and methods of diagnosing and treating communication disorders. For beginning and prospective majors in Communication Sciences and Disorders. *Occasional.*

SPA 3011 HPA-COM SC&DIS 3(3,0)
Speech Science I: Production: PR: SPA 3112. CR: SPA 3011L. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. *Fall, Spring.*

SPA 3011L HPA-COM SC&DIS 1(0,1)
Speech Production lab: PR: SPA 3112. CR: SPA 3011. Physiological and acoustic measurement of speech production Graded S/U. *Fall, Spring.*

SPA 3101 HPA-COM SC&DIS 3(3,0)
Physiological Bases of Speech and Hearing: PR: or CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. *Fall, Spring.*

SPA 3104 HPA-COM SC&DIS 3(3,0)
Neural Bases of Communication: PR: or CR: SPA 3471. Structures and functions of the nervous system involved in communication and its disorders. *Fall, Spring.*

SPA 3112 HPA-COM SC&DIS 3(3,0)
Basic Phonetics: CR: SPA 3112L. Physiological descriptions and visual notation of standard speech patterns and regional dialects. *Fall, Spring.*

SPA 3112L HPA-COM SC&DIS 1(0,1)
Basic Phonetics Lab: CR: SPA 3112. Practice in the transcription of normal and deviant speech samples. Graded S/U. *Fall, Spring.*

SPA 3123 HPA-COM SC&DIS 3(3,0)
Speech Science II: Perception: PR: SPA 3112, SPA 3011. CR: SPA 3123L. How the perception of human speech differs from that of other auditory signals. *Fall, Spring.*

SPA 3123L HPA-COM SC&DIS 1(0,1)
Speech Perception Lab: CR: SPA 3123. Laboratory techniques used in investigating human speech perception. Graded S/U. *Fall, Spring.*

SPA 3412 HPA-COM SC&DIS 3(3,0)
Brain Stories: A Communication Disorders Perspective: PR: SPA 3471 (may be taken as corequisite) or PSY 2012 or C.I. A case study approach to communicative-cognitive disorders due to brain injury. *Fall, Spring.*

SPA 3471 HPA-COM SC&DIS 3(3,0)
Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing psychosocial, academic, vocational, and familial challenges as well as society's perceptions of individuals with communication disorders. *Fall, Spring.*

SPA 3472 HPA-COM SC&DIS 3(3,0)
Guidance of Young Children with Communication Disorders: PR: SPA 3471. Social/emotional and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. *Fall, Spring.*

SPA 4032 HPA-COM SC&DIS 3(3,0)
Audiology: PR: SPA 3101 and Junior Standing, or C.I. Physics of sound, anatomy of hearing mechanism, pure tone audiometry, hearing aids, problems of the deaf and hard of hearing. Clinical skills development required. *Fall, Spring.*

SPA 4241 HPA-COM SC&DIS 3(3,0)
Genetic Aspects of Communication Disorders: PR: BSC 2010C, Junior or senior standing. Theoretical framework for understanding human genetics and the genetic aspects of communication and feeding disorders. *Spring.*

SPA 4321 HPA-COM SC&DIS 3(3,0)
Audiologic Rehabilitation: PR: SPA 3011, SPA 3123, and SPA 4032. Principles and procedures in the use of residual hearing, auditory training, speech reading, and the use of hearing aids. *Fall, Spring.*

SPA 4326 HPA-COM SC&DIS 3(3,0)
Hearing Disorders Across the Lifespan: PR: SPA 3123, SPA 4032 and Senior Standing, or C.I. Primary and secondary consequences of hearing loss across the lifespan, including hearing impairments and communication limitations. *Fall, Spring.*

SPA 4400 HPA-COM SC&DIS 3(3,0)
Language Disorders Across the Life Span: PR: LIN 3717 and Junior Standing, or C.I. Etiology, assessment, and management of language disorders in children, adolescents, and adults, including those associated with autism, traumatic brain injury, learning disabilities, and dementia. *Fall, Spring.*

SPA 4476 HPA-COM SC&DIS 3(3,0)
Speech Disorders Across the Lifespan: PR: SPA 3101, and SPA 3112 and Junior Standing, or C.I. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing. *Fall, Spring.*

SPA 4478 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Disorders & Differences: PR: LIN 3716, Senior Standing, or C.I. Cultural and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. *Fall, Spring.*

SPA 4501L HPA-COM SC&DIS 3(0,3)
Undergraduate Clinical Practicum: PR: SPA 4400 or SPA 4476 and senior standing. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. *Fall, Spring.* M&S fee \$45.00

SPA 4555 HPA-COM SC&DIS 3(3,0)
Counseling in Communication Disorders: PR: SPA 3471 or C.I. Practical interviewing and counseling in the area of communication disorders. *Fall, Spring.*

SPA 4580 HPA-COM SC&DIS 3(3,0)
Augmentative and Alternative Communication Systems: PR: LIN 3717 or C.I. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. *Occasional.*

SPA 4634 HPA-COM SC&DIS 3(3,0)
Educational Implications of Deafness: PR: ASL 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. *Occasional.*

SPA 4803 HPA-COM SC&DIS 3(3,0)
Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. *Fall, Spring.*

SPA 4870C HPA-COM SC&DIS 3(2,1)
Capstone Course: PR: or CR: All required CS&D courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. *Fall, Spring.*

SPA 4948 HPA-COM SC&DIS 3(0,3)
Community Internship: PR: SPA 4400 or SPA 4476 and senior standing. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. *Fall, Spring.*

SPA 5473 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Differences and Disorders: PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures. *Occasional.*

SPA 5554 HPA-COM SC&DIS 3(3,0)
Counseling in Communicative Disorders: PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families. *Spring.*

SPA 5564 HPA-COM SC&DIS 3(3,0)
Aging and Communication: PR: Senior status or C.I. Study of the changes in communication with normal aging, focusing on assessment and management of older individuals with communication disorders. *Occasional.*

UCF Courses and Descriptions

SPB 3003 BA-BUS 3(3,0)
Introduction to Sport Business Management: PR: Sophomore Standing. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. *Occasional.*

SPB 3503 BA-BUS 3(3,0)
Ethics in Sport Business: PR: SPB 3003 with a "C" (2.0) or better. The ethics and moral issues in sport and their business implications focusing on the responsibilities of decision makers in professional, collegiate, and Olympic sport. *Occasional.*

SPB 3603 BA-BUS 3(3,0)
Diversity and Social Issues in Sport Business Management: PR: SPB 3003 with a "C" (2.0) or better, and either FIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. Diversity, social issues, social responsiveness, and financial performance in professional, collegiate, and Olympic sport. *Occasional.*

SPB 3823 BA-BUS 3(3,0)
The Role of Business Entrepreneurship in Sports/Entertainment: PR: SPB 3003 with a "C" (2.0) or better, and either FIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. Analyzes business entrepreneurship in sport/entertainment by examining various entrepreneurs and cultural movements in business organizations. Theories/concepts of business and entrepreneur behavior are applied. *Occasional.*

SPB 4104 BA-BUS 3(3,0)
Intercollegiate Sport Industry: PR: SPB 3003 with a "C" (2.0) or better. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision making. *Occasional.*

SPB 4204 BA-BUS 3(3,0)
Professional Sport Industry: PR: SPB 3003 with a "C" (2.0) or better. The structure, evolution and governance of professional sport management and a framework for sound business decision making. *Occasional.*

SPB 4304 BA-BUS 3(3,0)
Sports Event and Facility Management: PR: SPB 3003 with a "C" (2.0) or better, and either FIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. The principles of facility and event management in sport business and their applications in professional, collegiate, and Olympic sport. *Occasional.*

SPB 4404 BA-BUS 3(3,0)
Sport Business Law: PR: SPB 3003 with a "C" (2.0) or better. The legal framework for sport business management and its applications in professional, collegiate, and Olympic sport. *Occasional.*

SPB 4704 BA-BUS 3(3,0)
Sport Business Strategy: PR: SPB 3003 with a "C" (2.0) or better. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. *Occasional.*

SPB 4804 BA-BUS 3(3,0)
Sport Business and Media: PR: SPB 3003 with a "C" (2.0) or better, and either FIN 2100 and MAR 3023 each with a "C" (2.0) or better or admission to a business major. The structure and evolution of the interrelationship between sport and media and their business implications. *Occasional.*

SPC 1603C COS-COMM 3(1.5,1.5)
Fundamentals of Technical Presentations: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering technical information in public speaking situations. *Fall, Spring.*

SPC 1603H COS-COMM 3(3,0)
Honors Fundamentals of Technical Presentation: PR: Permission of Honors. Communication theory and its application to preparing and delivering technical information in public speaking situations. With honors-level content. *Occasional.*

SPC 1608 COS-COMM 3(3,0)
Fundamentals of Oral Communication: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering public speeches. *Fall, Spring.*

SPC 1608H COS-COMM 3(3,0)
Honors Fundamentals of Oral Communication: PR: Consent of Honors. Communication theory and its application to preparing and delivering public speeches. University Honors program. Same as SPC 1608 with honors-level content. *Occasional.*

SPC 2942 COS-COMM 1-3(1-3,0)
Debate Practicum: Training and participation in intercollegiate debate. Graded S/U. May be used in the degree program a maximum of 3 times. *Occasional.*

SPC 3301 COS-COMM 3(3,0)
Interpersonal Communication: PR: or CR: COM 3311, or C.I. Nature of the communication process; variables affecting the process and the individuals involved. Analysis of communication models, interactant behavior, situational cues, verbal and non-verbal messages. *Fall, Spring.*

SPC 3425C COS-COMM 3(2,1)
Group Interaction and Decision-Making: PR: or CR: COM 3311, or C.I. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. *Occasional.*

SPC 3445 COS-COMM 3(3,0)
Leadership Through Oral Communication: PR: or CR: COM 3311 or C.I. Investigation of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. *Fall, Spring.*

SPC 3513C COS-COMM 3(1,2)
Argumentation and Debate: PR: One of the following; SPC 1608, SPC 1603C, COM 1000, or C.I. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. *Occasional.*

SPC 3513H COS-COMM 3(3,0)
Honors Argumentation and Debate: PR: Consent of Honors and one of the following; SPC 1608, SPC 1603C, COM 1000, or C.I. Advanced study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. *Occasional.*

SPC 4331 COS-COMM 3(3,0)
Nonverbal Communication: PR: or CR: COM 3311, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. *Fall, Spring.*

SPC 4426 COS-COMM 3(3,0)
Group Dynamics: PR: or CR: COM 3311, or C.I. Human behavior in group situations. *Fall, Spring.*

SPC 4540 COS-COMM 3(3,0)
Attitudes and Communication: PR: or CR: COM 3311, or C.I. A survey of the immediate and direct ways in which persuasive communications and social groups come to influence attitudes. *Fall, Spring.*

SPM 3130 ED-CFCS 3(3,0)
Aquatic Management: PR: Admission to B.S. in Sports and Fitness program or C.I. Requisite knowledge for developing and operating aquatics programs safely and effectively. *Fall, Spring.*

SPM 3204 ED-CFCS 3(3,0)
Sports and Ethics: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. An exploration into ethics and its influence on sports. *Fall, Spring.*

SPM 3415 ED-CFCS 3(3,0)
Public Relations in Sport and Exercise Science: PR: PET 3005. Examining the role of public relations and media with specific application to sport and exercise science professionals. *Fall, Spring.*

SPM 3504 ED-CFCS 3(3,0)
Fiscal and Facilities: Issues in Sport and Exercise Science: PR: PET 3005. Design, maintenance, and operation of sport and exercise science facilities with a specific focus on fiscal management. *Fall, Spring.*

SPM 4723 ED-CFCS 3(3,0)
Legal Issues in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the legal issues and problems encountered by sport and exercise science professionals. *Fall, Spring.*

SPM 5155 ED-CFCS 3(3,0)
Introduction to Sports Administration: PR: C.I. This course will provide an overview of the sports industry. Fundamental leadership administration and research theories as well as information on current issues are emphasized. *Occasional.*

SPM 5308 ED-CFCS 3(3,0)
Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. *Occasional.*

SPM 5506 ED-CFCS 3(3,0)
Financial Issues in Sports and Fitness: PR: C.I. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. *Occasional.*

SPN 1120C CAH-LANG 4(3,1)
Elementary Spanish Language and Civilization I: Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. *Fall, Spring.*

SPN 1120C CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors-level content. *Occasional.*

SPN 1121C CAH-LANG 4(3,1)
Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPN 1120C. *Fall, Spring.*

SPN 1121C CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization II: PR: Permission of Honors and SPN 1120C or equivalent. Same as SPN 1121C with honors-level content. *Occasional.*

SPN 1150C CAH-LANG 8(4,4)
Intensive Beginning Spanish: Combines SPN 1120C and SPN 1121C in an intensive one-semester unit. Emphasis on speaking, listening, reading, and writing Spanish. For students with little or no background in the language. *Occasional.*

SPN 1170 CAH-LANG 8(16,10)
Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. *Occasional.*

SPN 2200 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization I: PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. *Fall, Spring.*

SPN 2200H CAH-LANG 3(3,1)
Honors Intermediate Spanish: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. *Fall.*

SPN 2201 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. *Occasional.*

SPN 2240 CAH-LANG 3(3,1)
Intensive Spanish Conversation: PR: One year of Spanish or equivalent. Practical use of the language, leading toward fluency and correctness in speaking at the intermediate level. *Occasional.*



UCF Courses and Descriptions

SPN 2241 CAH-LANG 3(3,0)
Spanish Conversation: PR: SPN 2201 or equivalent. Development of skills in conversation and comprehension through practice. *Occasional.*

SPN 2340 CAH-LANG 3(3,0)
Spanish for Native Speakers: PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. *Occasional.*

SPN 2341 CAH-LANG 3(3,0)
Advanced Spanish for Native Speakers: PR: SPN 2340 or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. *Occasional.*

SPN 2511 CAH-LANG 3(3,0)
Modern Spanish Civilization Abroad: PR: SPN 1120C & SPN 1121C. This intensive course will focus on modern Spanish culture using examples from present day society. Cultural visits and realia are essential components of this course. *Occasional.*

SPN 3140 CAH-LANG 3(3,0)
Business Spanish I: PR: SPN 2200 and SPN 2201 or equivalent. Basic business terminology, business culture, and business topics related to the Hispanic World. *Odd Fall.*

SPN 3141 CAH-LANG 3(3,0)
Business Spanish II: PR: C.I. Continuation of Business Spanish I. *Even Spring.*

SPN 3142 CAH-LANG 3(3,0)
Business Spanish III: PR: C.I. Continuation of Business Spanish II. *Even Fall.*

SPN 3234 CAH-LANG 3(3,0)
Advanced Directed Readings: PR: SPN 2200 or C.I. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers. *Fall, Spring.*

SPN 3300 CAH-LANG 3(3,0)
Advanced Spanish Grammar and Composition: PR: SPN 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. *Fall, Spring.*

SPN 3343 CAH-LANG 3(3,0)
Advanced Rhetoric for Native Speakers: PR: Third year level oral proficiency. Systematic study of Spanish grammar as applied to rhetoric in standard Spanish for native speakers only. *Occasional.*

SPN 3344 CAH-LANG 3(3,0)
Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. *Fall.*

SPN 3345 CAH-LANG 3(3,0)
Advanced Spanish Native Fluency II: PR: SPN 3344. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and composition skills. *Spring.*

SPN 3402 CAH-LANG 3(3,0)
Practice in Modern Spanish Grammar: PR: SPN 2241 or 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. *Occasional.*

SPN 3420 CAH-LANG 3(3,0)
Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. *Fall, Spring.*

SPN 3512 CAH-LANG 3(3,0)
Contemporary Spanish Culture Abroad: PR: SPN 2241 or SPN 3420. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. *Occasional.*

SPN 3760 CAH-LANG 3(3,0)
Advanced Spanish Oral Communication: PR: SPN 2201 or SPN 2240 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. *Fall, Spring.*

SPN 3850 CAH-LANG 3(3,0)
Structure of the Spanish Language: PR: SPN 3420. Linguistic theory applied to analysis of Spanish language. Includes systematic study of sound patterns, semantics, word formations, and socializations. *Occasional.*

SPN 3852 CAH-LANG 3(3,0)
Bilinguismo: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. Spanish-English bilingualism in the United States. Models of language acquisition in bilinguals, domains of language use, maintenance, shift, transfer, diversity, attitudes, code-switching, attrition and contact. *Occasional.*

SPN 3933 CAH-LANG 1(1,0)
Spanish Across the Curriculum: PR: SPN 2201 or C.I. CR: concurrent enrollment in a designated course. Improvement of skills in Spanish within the student's major or minor. Open to students in all colleges. May be repeated for credit. *Fall, Spring.*

SPN 4143 CAH-LANG 3(3,0)
Business Spanish IV: PR: C.I. Advanced course in business terminology and development of advanced language skills. *Odd Spring.*

SPN 4410 CAH-LANG 3(3,0)
Advanced Spanish Conversation: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. *Fall.*

SPN 4421 CAH-LANG 3(3,0)
Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. *Even Spring.*

SPN 4510 CAH-LANG 3(3,0)
Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from Pre-Roman times to the present. Conducted in Spanish. *Occasional.*

SPN 4520 CAH-LANG 3(3,0)
Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. *Occasional.*

SPN 4780 CAH-LANG 3(3,0)
Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct punctuation of Spanish through intensive practice and oral drill. *Occasional.*

SPN 4800 CAH-LANG 3(3,0)
Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the Spanish language from its beginning to the present, with special emphasis as it is written and spoken in Latin America and the U.S. *Occasional.*

SPN 4801 CAH-LANG 3(3,0)
Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semantics, morphology, syntax, and phonology in the Spanish language, as well as the use and correct application of criterion when analyzing texts. Taught in Spanish. *Occasional.*

SPN 5502 CAH-LANG 3(3,0)
Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. *Occasional.*

SPN 5505 CAH-LANG 3(3,0)
Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. *Occasional.*

SPN 5506 CAH-LANG 3(3,0)
Spanish American Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. *Occasional.*

SPN 5705 CAH-LANG 3(3,0)
Introduction to Spanish Linguistics: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analyses focusing on Spanish morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. *Odd Fall.*

SPN 5825 CAH-LANG 3(3,0)
Spanish Dialectology: PR: Graduate status or senior standing or C.I. This course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. *Occasional.*

SPN 5845 CAH-LANG 3(3,0)
History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. *Occasional.*

SPN 5920 CAH-LANG 3(3,0)
AP Spanish Language: PR: Graduate status or senior standing or C.I. Participants will enhance their knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehension, speaking, reading, and writing. *Occasional.*

SPS 5177 ED-E&HS 3(3,0)
Enhancing Individual and Student IQ: PR: Graduate standing or C.I. Students will understand IQ malleability and methods of enhancing IQ. Students will analyze acquisition of knowledge gained from methods of scientific inquiry regarding individual differences. *Even Spring.*

SPS 5605 ED-E&HS 3(3,0)
Building and Improving Relationship and Emotional Intelligence: PR: Graduate standing or C.I. Students will learn to develop and improve relational and emotional intelligence and demonstrate an understanding of social emotional learning and how it enhances psychosocial wellbeing. *Odd Spring.*

SPT 3800 CAH-LANG 3(3,0)
Spanish Translation and Interpretation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. *Fall, Spring.*

SPT 3805 CAH-LANG 3(3,0)
Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. *Even Spring.*

SPT 3809 CAH-LANG 3(3,0)
Medical Spanish Translation/Interpretation: PR: SPN 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. *Odd Fall.*

SPT 3831 CAH-LANG 3(3,0)
Spanish Legal Translation and Interpretation: PR: SPN 3420 and SPN 2241. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. *Even Fall.*

SPT 4801 CAH-LANG 3(3,0)
Spanish Translation Practicum: PR: SPT 3800. Development of translation and interpretation skills in a professional environment. Concentration in legal, medical, and business areas. *Occasional.*



UCF Courses and Descriptions

SPW 3000H CAH-LANG 3(3,0)
Honors Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing or C.I. Students will analyze, discuss and research English translations of Spanish and Latin American Nobel-Prize-Winning writers. Through readings, students will explore the universality of Spanish literature. *Occasional.*

SPW 3100 CAH-LANG 3(3,0)
Survey of Spanish Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century. *Fall.*

SPW 3101 CAH-LANG 3(3,0)
Survey of Spanish Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. *Spring.*

SPW 3130 CAH-LANG 3(3,0)
Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the colonial period to Nineteenth Century Romanticism. *Fall.*

SPW 3131 CAH-LANG 3(3,0)
Survey of Latin-American Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to the present. *Spring.*

SPW 3320 CAH-LANG 3(3,0)
Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor's technique and practice in Spanish. Short scenes will be performed in class. *Occasional.*

SPW 3321 CAH-LANG 3(3,0)
Modern Hispanic Theatre Workshop II: PR: SPW 3320. Participation in a theatre production of a play in Spanish. Open to majors in Spanish, Theatre and any technical performance. *Occasional.*

SPW 3370 CAH-LANG 3(3,0)
Spanish Short Story: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th-century Spanish short stories and their authors. *Occasional.*

SPW 4272 CAH-LANG 3(3,0)
20th Century Spanish Novel: PR: SPW 3101 or SPW 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. *Occasional.*

SPW 4310 CAH-LANG 3(3,0)
Golden Age Drama: PR: SPW 3100 or C.I. A study of the drama of the Golden Age, with special emphasis on Lope, Tirso, Alarcon, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined. *Occasional.*

SPW 4322 CAH-LANG 3(3,0)
Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. *Occasional.*

SPW 4364 CAH-LANG 3(3,0)
Latin-American Narrative/Essay: PR: SPW 3100 or SPW 3130 or SPW 3131 or SPW 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. *Occasional.*

SPW 4381 CAH-LANG 3(3,0)
Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3101 or SPW 3130 or SPW 3131 or SPW 3370. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. *Occasional.*

SPW 4382 CAH-LANG 3(3,0)
Central American Literature: PR: SPW 3131 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central America literary history. Taught in Spanish. *Occasional.*

SPW 4450 CAH-LANG 3(3,0)
Spanish Literary Theory: PR: SPW 3100 and SPW 3101, or SPW 3130 and SPW 3131, or C.I. A study of textual criticism with emphasis in the theory of genre. *Occasional.*

SPW 4460 CAH-LANG 3(3,0)
Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. *Occasional.*

SPW 4604 CAH-LANG 3(3,0)
Cervantes: PR: SPW 3100 or C.I. Don Quixote. *Occasional.*

SPW 4720 CAH-LANG 3(3,0)
The Generation of 1898: PR: SPW 3101 or C.I. A study of the generation's main authors and their works. *Occasional.*

SPW 4730 CAH-LANG 3(3,0)
Hispanic Literature of the United States: PR: SPW 3101 or SPW 3131 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. *Occasional.*

SPW 4770 CAH-LANG 3(3,0)
Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. *Occasional.*

SPW 4772 CAH-LANG 3(3,0)
Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. Analysis and discussion of representative contemporary work of authors who have included the black character as part of their narrative. *Occasional.*

SPW 4773 CAH-LANG 3(3,0)
Puerto Rican Literature: PR: SPW 3100 and SPW 3101 or SPW 3130 and SPW 3131. Puerto Rican Literature from XIX Century to present. Conducted in Spanish. *Occasional.*

SPW 5741 CAH-LANG 3(3,0)
Contemporary Spanish American Southern Cone Literature: PR: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. *Occasional.*

SPW 5795 CAH-LANG 3(3,0)
Jewish Culture in Latin America: PR: Spanish M.A. program or graduate student proficient in Spanish. History of the arrival of Jews in Latin America and studies of Latin American Jewish authors and literature. Will be taught in Spanish, including all readings. *Occasional.*

SSE 3312 ED-TL&L 3(3,0)
Teaching Social Science in the Elementary School: PR: EDG 4410 or C.I. Selected themes, problems, and concepts; organizing for instruction; techniques; evaluation procedures. *Fall, Spring.*

SSE 4361 ED-TL&L 3(3,0)
Social Science Instructional Analysis: PR: EDG 4410 and SSE 4936. CR: SSE 3940. Analysis of secondary (grades 6-12) social science instructional programs including development of objectives, materials, processes, and assessment procedures in light of current research and practice. *Fall, Spring.*

SSE 4936 ED-TL&L 3(3,0)
Programs in Teaching Social Science: PR: Admission to the Bachelor of Science in Social Science Education program. Special programs, strategies, and materials for middle and secondary social science majors. *Fall.*

SSE 5391 ED-TL&L 3(3,0)
Global Education: Theory and Practice: PR: Graduate standing or C.I. Examines the theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. *Spring.*

SSE 5776 ED-TL&L 3(3,0)
Democracy and Education: PR: Graduate standing or C.I. Explores the intersection of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. *Fall.*

SSE 5790 ED-TL&L 3(3,0)
Inquiry and Instructional Analysis in Social Science Education: PR: EDG 6415 or admission to Teacher Leadership MEd program or Initial Teacher Professional Preparation certificate. Study of instructional programs in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. *Occasional.*

STA 1063C COS-STAT 3(2,1)
Basic Statistics Using Microsoft Excel: Applications of Excel; manipulating data; single variable graphs and statistics; scatterplots; probability distributions; statistical inference. *Fall, Spring.*

STA 2014C COS-STAT 3(2,1)
Principles of Statistics: Introduction to statistical concepts in modern society. Basic principles, frequency distributions, measures of location and dispersion, probability, statistical inference. The "NC" grading policy applies to this course. *Fall, Spring.*

STA 2023 COS-STAT 3(3,0)
Statistical Methods I: PR: MAC 1105C or MGF 1106. First methods course introducing probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. *Fall, Spring.*

STA 2023H COS-STAT 3(3,0)
Honors Statistical Methods I: PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. *Fall, Spring.*

STA 3032 ECS-IEMS 3(3,0)
Probability and Statistics for Engineers: PR: MAC 2312. Axioms of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. *Fall, Spring.*

STA 3032H ECS-IEMS 3(3,0)
Honors Probability and Statistics for Engineers: PR: MAC 2312 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. *Fall, Spring.*

STA 3096 COS-STAT 3(3,0)
Statistical Graphics I: PR: STA 2023 or STA 3032 and a knowledge of a programming language. Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. *Occasional.*

STA 4102 COS-STAT 3(3,0)
Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. *Fall.*

STA 4130 COS-STAT 3(3,0)
Life Contingencies I: PR: STA 4183 (or old number STA 3183). Economics of insurance, utility theory, single premiums for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. *Fall.*

STA 4131 COS-STAT 3(3,0)
Life Contingencies II: PR: STA 4130 (or old number STA 3130). Multiple-decrement and multi-life models. Insurance models including expenses. Modified reserves. Cash values, insurance options and asset shares. Net forfeiture benefits and dividends. *Spring.*



STA 4163 COS-STAT 3(3,0)
Statistical Methods II: PR: STA 2023 or STA 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. *Fall, Spring.*

STA 4164 COS-STAT 3(3,0)
Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. *Fall, Spring.*

STA 4173 COS-STAT 3(3,0)
Biostatistical Methods: CR: STA 4163 or C.I. Applied statistical principles and methods applied to problems in medical, biological, and health sciences. *Occasional.*

STA 4183 COS-STAT 3(3,0)
Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. *Fall.*

STA 4184 COS-STAT 3(3,0)
Introduction to Derivative Markets: PR: STA 4183 or C.I. Cash flow and profit for simple options and forwards, hedging strategies, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, callable bonds. *Spring.*

STA 4186 COS-STAT 3(3,0)
Theory of Derivative Pricing: PR: STA 4184 or C.I. Assumptions of derivative pricing, put-call parity, binomial pricing, market making, delta hedging, exotic options, distributions, Monte Carlo distributions, Brownian motion, interest rate models. *Spring.*

STA 4222 COS-STAT 3(3,0)
Sample Survey Methods: PR: STA 2023 or STA 3032. Constructing and analyzing survey designs. Sampling and non-sampling errors. Simple random, stratified, systematic, and multiphase sampling. Methods of estimation. *Occasional.*

STA 4321 COS-STAT 3(3,0)
Statistical Theory I: PR: STA 2023 or STA 3032; CR: MAC 2313. Probability axioms, discrete and continuous sample spaces, conditional probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. *Fall.*

STA 4322 COS-STAT 3(3,0)
Statistical Theory II: PR: STA 4321. Conditional distributions, sums of random variables. Chebyshev's inequality, central limit theorem, method of moments, maximum likelihood, confidence intervals, hypothesis testing, transformations of two random variables. *Spring.*

STA 4502 COS-STAT 3(3,0)
Nonparametric Statistical Methods: PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. *Occasional.*

STA 4504 COS-STAT 3(3,0)
Categorical Data Analysis: PR: STA 4163. Two-way and three-way contingency tables, odds ratios, partial association, logistic regression and log linear models. *Occasional.*

STA 4641 COS-STAT 3(3,0)
Risk Theory and Decision: PR: STA 4322. Individual and collective risk models for short terms and for extended periods, applications of risk theory to actuarial problems. Risk factors and their financial effects. *Occasional.*

STA 4664 COS-STAT 3(3,0)
Statistical Quality Control: PR: STA 2023 or STA 3032. Statistical concepts and methods applied to the control of quality of manufactured products. *Occasional.*

STA 4672 COS-STAT 3(3,0)
Actuarial Statistical Methods: PR: STA 2023 and STA 4183. Regression and time series analysis of insurance and financial data. *Occasional.*

STA 4674 COS-STAT 3(3,0)
Life Testing Analysis: PR: STA 4322. Models of survival analysis including random and non-random censoring and truncation. Parametric estimation of life distribution. Nonparametric methods. Grouped data. *Occasional.*

STA 4852 COS-STAT 3(3,0)
Applied Time Series: PR: STA 4163. Forecasting methods, time series analysis, stationary and nonstationary time series, ARIMA models, forecasting processes. *Occasional.*

STA 4939 COS-STAT 3(3,0)
Problems in Actuarial Science: PR: STA 4322. Fundamental mathematical and statistical tools for quantitatively assessing risk; application of these tools to problems in actuarial science. May be repeated for credit. *Occasional.*

STA 5045 COS-COMM 3(3,0)
Statistical Analysis of Communication Data: PR: STA 2023 or C.I. Descriptive statistics; correlation; bivariate, multiple and logistic regression; reliability and validity; effect size, power, confidence intervals; one and two sample tests; ANOVA; categorical data analysis. *Fall, Spring.*

STA 5104 COS-STAT 3(3,0)
Advanced Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports. *Fall.*

STA 5139 COS-STAT 3(3,0)
Credibility Theory and Loss Distribution: PR: STA 4322, graduate status or senior standing, or C.I. Full and partial credibility. The credibility premium. Exact credibility. Parametric and nonparametric estimation of credibility. Loss models for claim severities and frequencies. Aggregate claims models. *Fall.*

STA 5175 COS-STAT 3(3,0)
Biometry: PR: STA 2023, graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biological/ecological application; one-way and multi-way ANOVA; regression; ordination; classification. *Spring.*

STA 5176 COS-STAT 3(3,0)
Introduction to Biostatistics: PR: STA 4163 or STA 4173, graduate status or senior standing, or C.I. Fixed-effects model, random-effects model, repeated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. *Occasional.*

STA 5205 COS-STAT 3(3,0)
Experimental Design: PR: STA 4164, STA 5206 or ESI 5219, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication; Incomplete block designs; factorial and fractional designs; design resolution. *Spring.*

STA 5206 COS-STAT 3(3,0)
Statistical Analysis: PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. *Fall.*

STA 5505 COS-STAT 3(3,0)
Categorical Data Methods: PR: STA 4164, STA 5206, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar's Test, Mantel-Haenszel test. *Occasional.*

STA 5646 COS-STAT 3(3,0)
Casualty Insurance: PR: STA 4322 and STA 4641, graduate status or senior standing, or C.I. Individual risk rating and classification of risk for property/casualty insurance. Re insurance and expense issues. Investment income. *Occasional.*

STA 5703 COS-STAT 3(3,0)
Data Mining Methodology I: PR: STA 5104 and STA 5206, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. *Fall.*

STA 5825 COS-STAT 3(3,0)
Stochastic Processes and Applied Probability Theory: PR: STA 4321, and graduate status or senior standing or C.I. Conditional probability and conditional expectations, sequences of random variables, branching processes, random walks, Markov chains, recurrent events, renewal theory, queueing theory, and simple stochastic processes. *Spring.*

STA 5948 COS-STAT 3(3,0)
Actuarial Science Practicum: PR: STA 4183 or STA 6185. Study and projects on problems in actual practice; discussions and presentations by practitioners from life insurance, casualty, etc. *Occasional.*

SUR 2101C ECS-CECE 3(2,3)
Surveying: PR: MAC 2311C and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. *Spring.*

SYA 3110 COS-SOC 3(3,0)
Social Theory: PR: SYG 2000 or C.I. Theories concerning the nature of mankind as a "social being." The nature of society from the beginnings of the scientific study of human life to World War II. *Spring.*

SYA 3400C COS-SOC 4(3,1)
Applied Social Statistics: PR: SYG 2000 or C.I. Application of statistical techniques to sociological data as conducted in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists. *Fall.*

SYA 4300C COS-SOC 4(3,2)
Research Methods: PR: SYG 2000 or C.I. Sociological data collections, sampling techniques, grant proposal development, critical evaluation of social research, and relationship between theory and social research. *Fall.*

SYA 4310C COS-SOC 4(3,1)
Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. *Occasional.*

SYA 4450 COS-SOC 4(3,2)
Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced social research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. *Spring.*

SYA 4650C COS-SOC 3(2,2)
Community Action and Involvement: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Utilization of sociological principles in the treatment of practical human problems and organization. *Occasional.*

SYA 5625 COS-SOC 3(3,0)
ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological areas that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education. *Fall.*

SYD 3410 COS-SOC 3(3,0)
Urban Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Historical roots of urbanization. Analysis and impact of community change on social organizations in modern industrial societies. *Occasional.*

SYD 3700 COS-SOC 3(3,0)
Race and Ethnicity: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. *Fall, Spring.*

SYD 3800 COS-SOC 3(3,0)
Sex and Gender in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. The traditional and changing roles of women and men viewed in a sociological perspective. *Fall, Spring.*



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SYD 4020 COS-SOC 3(3,0)
Birth, Death, and Population Trends: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Concerned with the study of human population, its distribution, composition, and change. *Occasional.*

SYD 4510 COS-SOC 3(3,0)
Environment and Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Applies the sociological perspective and sociological methods of analysis to the relationships between human behavior and the environment. *Odd Spring.*

SYD 4514 COS-SOC 3(3,0)
Environmental Movement: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Origins, evolution, current status and societal impacts of the environmental movement via sociological theory, concepts and research on social movements. *Occasional.*

SYD 4810 COS-SOC 3(3,0)
Women in Contemporary Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Examination and evaluation of the status of women in the context of the major social institutions (e.g., family, education, religion, economy and polity). *Fall, Spring.*

SYD 4813 COS-SOC 3(3,0)
Women, Law and Social Change: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. The process of social movements and how they impact legalized social norms for women in public and private life. *Occasional.*

SYD 5517 COS-SOC 3(3,0)
Environment and Society: PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. *Occasional.*

SYD 5795 COS-SOC 3(3,0)
Class, Race, and Gender in American Society: PR: Graduate standing or C.I. Using theoretical and empirical studies, this course will provide a sociological examination of the intersections of race, class, and gender in American society. *Occasional.*

SYG 2000 COS-SOC 3(3,0)
Introduction to Sociology: Scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. *Fall, Spring.*

SYG 2000H COS-SOC 3(3,0)
Honors Introduction to Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. *Fall, Spring.*

SYG 2010 COS-SOC 3(3,0)
Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. *Fall, Spring.*

SYO 3000 COS-SOC 3(3,0)
Contemporary Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Exploration of contemporary sociology. Conceptual analysis and methodological techniques, presentation and utilization of sociological literature on major social institutions. *Occasional.*

SYO 3360 COS-SOC 3(3,0)
Social Organization and Human Relations: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Analysis of business, government, and industrial organizations. Topics include organizational theory, social systems, social structure, effects of technology, motivation, leadership, decision-making, and human relations. *Occasional.*

SYO 3408 COS-SOC 3(3,0)
Animals and Health: PR: One of SYG 2000, ANT 2000, or PSY 2012, or Junior standing. Explores the ways in which non-human animals both enhance and diminish humans' health. *Occasional.*

SYO 3410 COS-SOC 3(3,0)
Patterns of Mental Health in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. *Occasional.*

SYO 3410H COS-SOC 3(3,0)
Honors Patterns of Mental Health in Society: PR: Consent of Honors or C.I. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. With Honors content. *Occasional.*

SYO 3530 COS-SOC 3(3,0)
Social Power and Inequality: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Study of class, status and power, cultural variations in stratification systems; patterns of mobility and change. *Occasional.*

SYO 4100 COS-SOC 3(3,0)
Family Trends: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Intimate relationships, practices, trends and issues affecting today's marriages and families. *Fall, Spring.*

SYO 4132 COS-SOC 3(3,0)
Global Family Trends: PR: Sophomore standing or C.I. The impact of globalization on families by using travel outside of the U.S. as an instructional vehicle. Graded S/U. *Occasional.*

SYO 4200 COS-SOC 3(3,0)
Religion in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. The relationship between the religious institution and social stratification, family, education, as well as issues pertaining to gender, race, ethnicity, and age. *Occasional.*

SYO 4250 COS-SOC 3(3,0)
Education and Social Achievement: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. This course examines the sociological dimensions of the educational institutions, including the impact of the social structure on learning and the role of education in social change. *Occasional.*

SYO 4300 COS-SOC 3(3,0)
Political Sociology: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Sociological analysis of political and parapolitical groups; socioeconomic variable of voting behavior, power elites; societies and systems of government. *Occasional.*

SYO 4323 COS-SOC 3(3,0)
Community and Diversity: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. The formation of social systems in response to social problems and the implementation of public policy. Emphasis on diverse perspectives and ethical positions and their effect on the form and effectiveness of social systems. *Occasional.*

SYO 4400 COS-SOC 3(3,0)
Medical Sociology: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. *Occasional.*

SYO 4400H COS-SOC 3(3,0)
Honors Medical Sociology: PR: Consent of Honors or C.I. Analysis of patient behavior, health practitioners, the social organization of health services, and delivery of health care. With Honors content. *Occasional.*

SYO 4402 COS-SOC 3(3,0)
Sociology of Health and Illness Behavior: PR: One of SYG 2000, ANT 2000, or PSY 2012, or Junior standing. Social construction of health and illness, and social factors that shape health and illness behavior (e.g., subjective experience of illness, patient-doctor interaction, and coping with disability). *Occasional.*

SYP 3060 COS-SOC 3(3,0)
Sociology of Sex and Reproduction: PR: One of SYG 2000, ANT 2000 or PSY 2012, or Junior Standing. Sociological theories and research examining sexuality and reproduction in contemporary U.S. society. *Occasional.*

SYP 3300 COS-SOC 3(3,0)
Fads, Crowds, and Social Action: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Analysis of relatively unstructured social situations, such as mobs, crowds, etc. as well as more structured forms of collective behavior such as social movements. *Occasional.*

SYP 3400 COS-SOC 3(3,0)
Social Change: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Context and essential sources of social development and change. *Occasional.*

SYP 3510 COS-SOC 3(3,0)
Sociology of Deviant Behavior: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Sociological examination of the types of, and societal reactions to, deviant behavior with special emphasis on stigmatization. *Spring.*

SYP 3511 COS-SOC 3(3,0)
Sociology of Murder: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. An analytical study of murder in the U.S.; topics include different types of homicides, offenders, victims, and circumstances. *Fall.*

SYP 3520 COS-SOC 3(3,0)
Criminology: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Chief causes of anti-social behavior and current methods of prevention and reform. Effects of heredity and environment, prevalence of delinquency and crime, penal institutions. *Fall, Spring.*

SYP 3530 COS-SOC 3(3,0)
Juvenile Delinquency: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Types of delinquency behavior found among juveniles; possible causes and ways society attempts to treat the various forms of delinquency. *Occasional.*

SYP 3540 COS-SOC 3(3,0)
Sociology of Law: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. The relationship between law and society, including the functions of law and its organization, social and economic consequences, jury selection, and modern trends. *Occasional.*

SYP 3551 COS-SOC 3(3,0)
Patterns of Alcoholism in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Introduction to the nature of alcoholism and review of its impact on society. *Occasional.*

SYP 3562 COS-SOC 3(3,0)
Patterns of Domestic Violence in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Sociological perspectives on all forms of domestic violence, including theoretical explanations, prevalence, risk factors, dynamics of prevention, and intervention. *Occasional.*

SYP 3602 COS-SOC 3(3,0)
Patterns of Popular Music in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. The role of popular music in social change and in reflecting American culture. Consideration is given to the nature of the popular music business. *Occasional.*

SYP 3630 COS-SOC 3(3,0)
Popular Culture in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Examines the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity and age. *Occasional.*

SYP 3650 COS-SOC 3(3,0)
Sports and Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Utilization of sociological concepts and theories to investigate sport as a social institution. Includes subjects of racism, sexism, drug abuse, violence, and current issues of sport. *Occasional.*

SYP 4000 COS-SOC 3(3,0)
Sociological Social Psychology: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Study of social perception, attitude formation and change, motivation, and decision-making in small groups as affected by social interaction and social processes. *Occasional.*



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SYN 4004 COS-SOC 3(3,0)
Constructing Social Issues: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Sociological examination of social problems as an emergent process that involves collective definitions and legitimating organizations. Topics include deviance, race, gender and popular culture. *Occasional.*

SYN 4304 COS-SOC 3(3,0)
Social Movements and Revolutions: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Comparative sociology of revolutions and the sociological research on social movements. *Occasional.*

SYN 4401 COS-SOC 3(3,0)
Social Determinants of Health: PR: SYG 2000, ANT 2000 or PSY 2012 or C.I. Examination of the ways social characteristics structure or shape health patterns in the U.S. population. *Occasional.*

SYN 4454 COS-SOC 3(3,0)
Global Inequality and Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Theoretical and empirical examination of the sociological process of global stratification and the countervailing force of an emergent anti-globalization social movement. *Occasional.*

SYN 4514 COS-SOC 3(3,0)
Patterns of Violence in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Social roots, culture, circumstances, prevention, and control of violence. *Occasional.*

SYN 4521 COS-SOC 3(3,0)
Crime Victims in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Issues related to victimology such as victimization risks and societal treatment of victims. *Occasional.*

SYN 4536 COS-SOC 3(3,0)
Gangs and Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Types of gangs, gang members, activities, group processes, and societal responses to gangs. *Occasional.*

SYN 4550 COS-SOC 3(3,0)
Patterns of Drug Abuse in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Analysis of the socio-cultural elements of the drug culture. *Occasional.*

SYN 4631 COS-SOC 3(3,0)
Sociology Through Film: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Developing students' sociological imagination by viewing, discussing, and analyzing films. *Occasional.*

SYN 4730 COS-SOC 3(3,0)
Patterns of Aging in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Sociological aspects of aging in America. *Fall, Spring.*

SYN 4732 COS-SOC 3(3,0)
Minority Aging: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. A sociological examination of older populations within minorities: ethnic minorities, women, and gay men and lesbians. *Occasional.*

SYN 5005 COS-SOC 3(3,0)
Sociological Social Psychology: PR: Graduate standing or C.I. An exploration of sociological social psychological theories and their application in understanding the effects of society and groups on the individual. *Occasional.*

SYN 5525 COS-SOC 3(3,0)
Sociological Criminology: PR: Graduate standing or C.I. To examine current sociological knowledge and research on various issues in Criminology, and to further students' skills in developing/conducting research projects. *Occasional.*

SYN 5566 COS-SOC 3(3,0)
Seminar on Domestic Violence: Theory, Research and Social Policy: PR: Graduate status or senior standing or C.I. A sociological examination and evaluation of theories, empirical research and social policy related to the study of domestic violence. *Occasional.*

SYN 5615 COS-SOC 3(3,0)
Sociology of Culture: PR: Graduate standing or C.I. Major theoretical approaches and empirical studies in the sociology of culture and analysis of cultural processes. *Occasional.*

SYN 5738 COS-SOC 3(3,0)
Seminar on the Welfare State and Aging: PR: Graduate standing or C.I. A sociological examination of old policies from a cross-cultural perspective. *Occasional.*

TAX 4001 BA-ACCT 3(3,0)
Taxation of Business Entities and Transactions: PR: Junior standing, ACG 3131 with a grade of "C" (2.0) or better. Federal income tax laws affecting the taxation of business entities and transactions. *Fall, Spring.*

TAX 5015 BA-ACCT 3(3,0)
Advanced Tax Topics: PR: Graduate standing, TAX 4001 with a "C" (2.0) or better. Advanced tax issues affecting business entities and their owners, with a primary focus on corporations and partnerships. *Occasional.*

THE 2000 CAH-THEA 3(3,0)
Theatre Survey: Overview of the art and craft of the theatre. Restricted to non majors. *Fall, Spring.*

THE 2000H CAH-THEA 3(3,0)
Honors Theatre Survey: PR: Permission of Honors. Not restricted to theatre majors. Honors-level overview of the art and craft of the theatre. *Fall, Spring.*

THE 2020 CAH-THEA 3(3,0)
Survey of Theatre for Majors: PR: Theatre major or minor. Overview of the art and craft of theatre. *Fall.*

THE 2025 CAH-THEA 3(3,0)
Introduction to Theatrical Design: PR: C (2.) in THE 2000 or THE 2020 and TPA 2201. Basic design elements and the collaborative process introduced as practical tools for theatre production. Not allowed for Design and Technology or Stage Management majors. *Occasional.*

THE 2050 CAH-THEA 3(3,0)
Theatre Studies in Creative Drama: PR: Theatre major or minor. Techniques and theories for facilitating creative drama with youth, as both an art form and teaching tool. *Occasional.*

THE 2081C CAH-THEA 3(2,1)
Introduction to UCF Theatre: PR: Theatre major. Specific UCF Theatre Department production protocols and operations. *Fall.*

THE 2090L CAH-THEA 1(0,VAR)
Theatre Participation-Management I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. *Fall, Spring.*

THE 2304 CAH-THEA 3(3,0)
Script Analysis for Theatre: PR: Theatre major. Exploration of dramatic form with focus on playscripts for productions. *Fall, Spring.*

THE 2925L CAH-THEA 0(0,VAR)
Theatre Participation: PR: Theatre major or minor. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. *Fall, Spring.*

THE 3006 CAH-THEA 3(3,0)
Greece to Grease: Development of Theatre: PR: THE 2000 or any 2000-level History course or C.I. Not for Theatre Majors. Development of Western Theatre from Ancient Greece to today. *Occasional.*

THE 3006H CAH-THEA 3(3,0)
Honors From Greece to Grease: PR: Not open to Theatre Majors. Consent of Honors. Development of Western Theatre from Ancient Greece to today. With Honors Content. *Occasional.*

THE 3082 CAH-THEA 3(3,0)
Theatre Careers: PR: B.A. Theatre major or minor, Sophomore standing, and "C" (2.0) or better in THE 2081C. Techniques to secure employment in theatre and related fields. *Occasional.*

THE 3171 CAH-THEA 3(3,0)
That's Entertainment!: Theatre Experience in Theme Parks, Vegas, and Broadway: PR: THE 2000 or ENC 1102 or FIL 1000. The art and craft of theatrical live entertainment. *Occasional.*

THE 3240 CAH-THEA 3(3,0)
Musical Theatre Survey: PR: Grade of "C" (2.0) or better required in THE 2081C or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the present day. *Occasional.*

THE 3250 CAH-THEA 3(3,0)
Sex, Drugs, & the Rock and Roll Musical: PR: ENC 1102. Overview of the Rock & Roll musical theatre genre including culture and development. *Occasional.*

THE 3272 CAH-THEA 3(3,0)
What a Drag: The Art of Transgender in Entertainment: PR: ENC 1102. The use of transgender performance in entertainment. *Occasional.*

THE 3311 CAH-THEA 3(3,0)
Theatre History and Dramatic Literature I: PR: Theatre major, "C" (2.0) or better in THE 2304 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. *Fall, Spring.*

THE 3312 CAH-THEA 3(3,0)
Theatre History and Dramatic Literature II: PR: Theatre major, "C" (2.0) or better in THE 3311, THE 2304 and Sophomore standing. Theatre history and drama from French neo-classicism to modern realism. *Fall, Spring.*

THE 3313 CAH-THEA 3(3,0)
Theatre History and Dramatic Literature III: PR: Theatre major, "C" (2.0) or better in THE 3312 and Junior standing. Theatre history and drama from modern realism to present. *Fall, Spring.*

THE 3333 CAH-THEA 3(3,0)
Shakespeare Skills: PR: Grade of "C" (2.0) or better in THE 2081C. Study of Shakespeare's heightened language, scansion, and text from a theatrical point of view. Course not intended for BFA Theatre Acting Majors. *Occasional.*

THE 3383 CAH-THEA 3(3,0)
Taboo Theatre: Sex & Violence on Stage: PR: ENC 1102. Dramatic literature with taboo topics and their impact on the storytelling and entertainments of today. *Occasional.*

THE 4093L CAH-THEA 1(0,VAR)
Theatre Participation-Management II: PR: Theatre major or minor; "C" (2.0) or better in THE 2090L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. *Fall, Spring.*

THE 4212 CAH-THEA 3(3,0)
Global Theatre: PR: Grade of C (2.0) or better required in ENC 1101 or ANT 2000. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. *Occasional.*

THE 4230 CAH-THEA 3(3,0)
Cultural Diversity in Theater: PR: "C" (2.0) or better in ENC 1101 or ANT 2000. Commonality of human experience among various cultural groups through the study of dramatic literature. *Occasional.*

THE 4244 CAH-THEA 3(3,0)
Musical Theatre History I: PR: B.F.A. Musical Theatre major, "C" (2.0) or better required in THE 2081C. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. *Fall.*

THE 4245 CAH-THEA 3(3,0)
Musical Theatre History II: PR: BFA Musical Theatre major, C (2.0) or better required in THE 4244. Origins and evolution of Musical Theatre from the 1950s through the present. *Spring.*

THE 4284 CAH-THEA 3(3,0)
Period Costume, Architecture, and Decor I: PR: "C" (2.0) or better in TPA 2000C and THE 3311. Costumes, furniture and decor from antiquity to the High Renaissance. *Fall.*



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THE 4285 CAH-THEA 3(3,0)
Period Costume, Architecture, and Decor II: PR: "C" (2.0) or better in TPA 2000C, THE 3312, and THE 4284. Costumes, furniture and decor from the English Renaissance to the present. *Occasional*.

THE 4423 CAH-THEA 3(3,0)
Women in Theatre: PR: Grade of C (2.0) or better in ENC 1101. An overview of women's contributions to theatre. *Occasional*.

THE 4543 CAH-THEA 3(3,0)
Theatre for Social Change: PR: Grade of C (2.0) or better in ENC 1101. Theatre activist's impact on theatrical art forms. *Occasional*.

THE 4543H CAH-THEA 3(3,0)
Honors Theatre for Social Change: PR: Consent of Honors. Theatre activist's impact on theatrical art forms. With Honors content. *Occasional*.

THE 4954 CAH-THEA 0(0,0)
Theatre Exit Critique: PR: Theatre Major; Senior Standing. Completion of departmental exit critique. Graded S/U. *Fall, Spring*.

THE 5205 CAH-THEA 3(3,0)
American Theatre: PR: THE 5910, and MA or MFA Theatre Graduate. Examination of performance and historical perspectives of American drama. *Spring*.

THE 5215 CAH-THEA 3(3,0)
Global Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Theatrical arts and traditions of various countries with an emphasis on non-western countries. *Occasional*.

THE 5237 CAH-THEA 3(3,0)
Cultural Diversity in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Commonality of human experience among various groups through the study of dramatic literature. *Occasional*.

THE 5248 CAH-THEA 3(3,0)
Musical Theatre in History: PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese operetta to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability. *Fall*.

THE 5288 CAH-THEA 3(3,0)
Period Costumes, Architecture and Décor I: PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the renaissance. *Fall*.

THE 5289 CAH-THEA 3(3,0)
Period Costumes, Architecture and Décor II: PR: THE 5288. Costumes, architecture and decor from the Renaissance to present. *Spring*.

THE 5307 CAH-THEA 3(3,0)
Contemporary Theatre Practice: PR: THE 3311, THE 3312, THE 3313, Restricted to Theatre majors or departmental consent. Contemporary trends in plays and theatre production in the late 20th century. *Spring*.

THE 5385 CAH-THEA 3(3,0)
Dramatic Literature for Children: PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. *Even Fall*.

THE 5425 CAH-THEA 3(3,0)
Women in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women's contributions to theatre. *Occasional*.

THE 5545 CAH-THEA 3(3,0)
Theatre for Social Change: PR: Admission into the MFA/MA Theatre programs or C.I. Theatre activists' impact on theatrical art forms. *Occasional*.

THE 5910 CAH-THEA 3(3,0)
Research Methods in Theatre: PR: MFA and MA in Theatre. Practice knowledge, skills and techniques needed by students to conduct research to include organization, styles, footnotes, and bibliographic forms. *Fall*.

THE 5945L CAH-THEA 1(0,20)
Theatre Practicum I: PR: Graduate status or C.I. A laboratory course designed to develop students' practical working knowledge in Theatre. *Occasional*.

THE 5946L CAH-THEA 1(0,20)
Theatre Practicum II: PR: Admission into the graduate program, Theatre Practicum I. A laboratory course designed to develop students' practical working knowledge in theatre. *Occasional*.

TPA 2000C CAH-THEA 3(2,2)
Theatre Design Basics: PR: BFA Design and Technology or Stage Management major, "C" (2.0) or better required in THE 2081C. Basic design skills for scenic, lighting and costume designers using color, grayscales, textures and symmetry to create a strong stage presence. *Fall*.

TPA 2010C CAH-THEA 3(2,2)
Scenography: PR: "C" (2.0) or better in TPA 2000C and BFA Design and Technology or Stage Management major. Introduction to design for the stage, including scenery, lighting, costumes and sound. *Occasional*.

TPA 2071C CAH-THEA 3(2,2)
Theatre Rendering: PR: "C" (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. *Spring*.

TPA 2170C CAH-THEA 2(2,2)
Introduction to Theatre Production Documentation: PR: CGS 1060C. Presentation of information necessary to document design and production process. *Spring*.

TPA 2201 CAH-THEA 2(2,0)
Technical Theatre Production: PR: B.A. Theatre, B.F.A. Musical Theatre/Acting major or Theatre minor, "C" (2.0) or better in THE 2081C or THE 2000. Development, theory and practice of all areas of technical theatre production. *Fall, Spring*.

TPA 2201L CAH-THEA 1(0,6)
Technical Theatre Production Lab: CR: TPA 2201. Practical projects in scenic construction. *Occasional*. M&S fee \$45.00

TPA 2210 CAH-THEA 3(3,0)
Stagecraft I: PR: BFA Design/Tech or Stage Management, CR: TPA 2210L. Development, theory, and practice of technical theatre production. *Fall*.

TPA 2210L CAH-THEA 1(0,6)
Stagecraft I Lab: PR: or CR: "C" (2.0) or better in TPA 2210. Practical projects in scenic construction. *Occasional*. M&S fee \$45.00

TPA 2211 CAH-THEA 3(3,0)
Stagecraft II: PR: "C" (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Hand-drafting, properties design, and construction. *Spring*.

TPA 2211L CAH-THEA 1(0,6)
Stagecraft II Lab: PR: "C" (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211. Practical projects in scenic and property construction. *Occasional*. M&S fee \$45.00

TPA 2220C CAH-THEA 3(2,2)
Stage Electronics: PR: "C" (2.0) or better in THE 2081C and BFA Design and Technology or Stage Management major. Introduction to electronics for the stage, including electricity, lighting equipment and sound equipment. *Fall*. M&S fee \$44.00

TPA 2230C CAH-THEA 3(2,2)
Costume Construction: PR: BFA Design and Technology or Stage Management major. Lecture/laboratory study of the basic techniques used in the construction of stage costumes. *Fall, Spring*. M&S fee \$22.00

TPA 2248C CAH-THEA 2(2,2)
Makeup Techniques: PR: Theatre B.F.A. major or departmental consent. Theory and practice of stage makeup. *Fall, Spring*. M&S fee \$17.00

TPA 2290L CAH-THEA 1(0,VAR)
Theatre Participation-Production I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. *Fall, Spring*. M&S fee \$47.00

TPA 2600 CAH-THEA 3(3,0)
Stage Management Basics: PR: "C" (2.0) or better in THE 2081C and BFA Design and Technology or Stage Management major. Functions and responsibilities of professional stage managers. *Occasional*.

TPA 3045C CAH-THEA 3(2,2)
Costume Design for Theatre I: PR: BFA Stage Management or Design & Technology major and "C" (2.0) or better in THE 2304, TPA 2000C, and TPA 2071C. Projects in the fundamentals of costume design for the stage. *Fall*.

TPA 3060C CAH-THEA 3(2,2)
Scenic Design for Theatre I: PR: BFA Stage Management or Design and Technology major and "C" (2.0) or better in THE 2304, TPA 2000C, TPA 2071C, and TPA 4250C. Projects in the fundamentals of scenic design for the stage. *Fall*. M&S fee \$37.00

TPA 3077C CAH-THEA 3(2,2)
Scene Painting: PR: "C" (2.0) or better in TPA 2000C and TPA 2071C. Projects in scene painting techniques. *Fall*. M&S fee \$70.00

TPA 3172 CAH-THEA 3(3,0)
Flash, Bash, and Splash: Concerts, Wrestling, & Circus: PR: THE 2000 or THE 2081C or MUL 2010 or ENC 1102 or ARH 2051. Components of large-scale entertainment extravaganzas including but not limited to designers, technical developments, documentation, concepts, and venues. *Occasional*.

TPA 3195L CAH-THEA 3(0,VAR)
Summer Theatre Studio/Tech/Design I: PR: Departmental consent by audition or interview. Study, analysis and execution of technical/design aspects for playscripts produced on UCF mainstage. May be repeated for credit. *Occasional*. M&S fee \$20.00

TPA 3197L CAH-THEA 3(0,VAR)
Summer Theatre Studio/Tech/Design II: PR: Departmental consent by audition or interview. Continuation of TPA 3195L. May be repeated for credit. *Occasional*. M&S fee \$20.00

TPA 3223C CAH-THEA 3(2,2)
Lighting Design for Theatre I: PR: BFA Stage Management or Design and Technology major and "C" (2.0) or better in THE 2304, TPA 2220C, TPA 2000C, and TPA 4250C. Projects in the fundamentals of lighting design for the stage. *Spring*. M&S fee \$61.00

TPA 3249C CAH-THEA 2(2,2)
Advanced Makeup Techniques: PR: "C" (2.0) or better in TPA 2248C. Lecture/laboratory study of basic techniques needed for the creation of stage and film prosthetics and masks. *Occasional*. M&S fee \$70.00

TPA 3265C CAH-THEA 3(2,2)
Sound Design for Theatre I: PR: BFA Stage Management or Design Technology major and "C" (2.0) or better in THE 2304, TPA 2220C, TPA 2000C, and TPA 4250C. Projects in the fundamentals of sound design for the stage. *Spring*.

TPA 3383C CAH-THEA 2(2,4)
Topics in Technical Theatre: PR: TPA 2230C. Techniques used in the production of scenery or costumes for the stage. Variable Topics. May be used in the degree program a maximum of 5 times. *Occasional*. M&S fee \$35.00

TPA 3601 CAH-THEA 3(3,0)
Stage Management: PR: "C" (2.0) or better in TPA 2600. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. *Fall*.

TPA 4041C CAH-THEA 3(2,2)
Costume Design for Theatre II: PR: "C" (2.0) or better in TPA 3045C. A continuation of TPA 3045C. *Spring*.

TPA 4061C CAH-THEA 3(2,2)
Scenic Design for Theatre II: PR: "C" (2.0) or better in TPA 3060C. Project scene design work with an emphasis on design visualization, communication and professional standards and practices. *Spring*. M&S fee \$37.00



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TPA 4066C CAH-THEA 3(2,2)
Advanced Scenography: PR: "C" (2.0) or better in TPA 3060C, TPA 3045C, TPA 3265C, or TPA 3223C. Project based work in student's area of concentration. May be used in the degree program a maximum of 4 times only when course content is different. *Occasional.*

TPA 4224C CAH-THEA 3(2,2)
Lighting Design for Theatre II: PR: "C" (2.0) or better in TPA 3223C. Project lighting design work with an emphasis on visualization of design concepts, professional graphics, and paperwork standards and practices. *Occasional.* M&S fee \$37.00

TPA 4250C CAH-THEA 2(2,2)
CADD for Theatre: PR: Design and Technology or Stage Management major, "C" (2.0) or better in THE 2081C. Computer-aided drafting and design and its application for Theatre. *Occasional.* M&S fee \$23.00

TPA 4251C CAH-THEA 2(2,2)
Advanced CADD for Theatre: PR: "C" (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design and its application for Theatre. *Spring.* M&S fee \$43.00

TPA 4264C CAH-THEA 3(2,2)
Sound Design for Theatre II: PR: "C" (2.0) or better in TPA 3265C. Project sound design work with an emphasis on design communication and professional standards and practices. *Occasional.*

TPA 4298L CAH-THEA 1(0,VAR)
Theatre Participation-Production II: PR: "C" (2.0) or better in TPA 2290L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. *Fall, Spring.* M&S fee \$47.00

TPA 4384C CAH-THEA 3(3,4)
Advanced Topics in Technical Theatre: PR: C (2.0) in TPA 2210 and TPA 2211. Variable topics which may include Technical Direction or other advanced topics. May be used in the degree program a maximum of 4 times. *Occasional.* M&S fee \$35.00

TPA 4400 CAH-THEA 3(3,0)
Theatre Management: PR: "C" (2.0) or better in THE 2081C and Junior standing. Restricted to theatre majors or Departmental consent. Study of the development, organization, management, funding, and promotion of theatre programs. Additional emphasis placed on management theory and style. *Fall.*

TPA 4401C CAH-THEA 3(2,2)
Theatre Careers in Production: PR: B.F.A. Design/Tech or Stage Management; Junior standing. Techniques to secure employment in technical theatre, design, and stage management. *Spring.*

TPA 4602 CAH-THEA 3(3,0)
Advanced Stage Management: PR: B.F.A. Stage Management major, C (2.0) or better required in TPA 3601. Skills necessary for stage managers in contemporary entertainment. *Fall.*

TPA 5029C CAH-THEA 3(2,2)
Lighting Design Studio: PR: TPA 5042C and TPA 5062C. Advanced work in the process of designing light for the stage with an emphasis on the use of light as artistic expression. *Occasional.*

TPA 5042C CAH-THEA 3(2,2)
Costume Design Studio: PR: Admission to the graduate program in Theatre or C.I. Project oriented course in the advance study of Costume Design. *Occasional.*

TPA 5062C CAH-THEA 3(2,2)
Scene Design Studio: PR: Graduate status or C.I. Advanced work in the conceptualization and communication of scenic designs for the theatre. *Spring.*

TPA 5081C CAH-THEA 3(3,3)
Design Concepts for Youth Theatre: PR: Admission to the graduate program in Theatre or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. *Odd Spring.*

TPA 5085C CAH-THEA 2(2,2)
Design Seminar for Theatre: PR: Admission into Theatre MFA Design track. Scenic, costume, lighting and sound design for theatre. *Occasional.*

TPA 5095C CAH-THEA 1(1,1)
Rendering for Theatre I: PR: Admission to the graduate program in Theatre or C.I. Traditional visual communication skills necessary for scenic, costume, and lighting design. *Fall.*

TPA 5175C CAH-THEA 1(1,1)
Rendering for Theatre II: PR: TPA 5095C. Software and technology available for visual communication and documentation. *Spring.*

TPA 5345C CAH-THEA 2(2,2)
2D Computer Assisted Design for Theatre: PR: Admission into the Theatre MFA Design track. Two-dimensional computer drafting and editing techniques applicable to theatre design. *Occasional.*

TPA 5346C CAH-THEA 2(2,2)
3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable to theatre design. *Occasional.*

TPA 5405 CAH-THEA 3(3,0)
Theatre Management for Non-Majors: PR: THE 2020 or THE 2000, graduate status, or C.I. Study of university, community and professional theatre management with special attention to the principles of management to include management skills/function and organizational systems/performance as they relate to theatre organizations/institutions. *Fall.*

TPA 5885C CAH-THEA 2(2,2)
Puppetry: PR: Admission to MFA graduate program or C.I. Puppetry as an art form in design and performance. *Odd Spring.* M&S fee \$30.00

TPA 5946C CAH-THEA 1(0,20)
Design Practicum I: PR: Admission into the MFA Design program. Practical experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer. *Occasional.*

TPA 5949C CAH-THEA 1(0,20)
Design Practicum II: PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the practical application of Properties and/or Design for the Theatre. *Occasional.*

TPP 2101 CAH-THEA 3(3,0)
Fundamentals of Acting: PR: BA Theatre Studies major, BFA Design & Technology major, BFA Stage Management major or Theatre minor. Development of imagination, self-awareness and the ability to execute basic stage tasks. *Fall, Spring.*

TPP 2110C CAH-THEA 3(2,2)
Acting I - Introduction: PR: B.F.A. Theatre major and "C" (2.0) or better in THE 2081C. Development of imagination, self-awareness, and the ability to execute basic stage tasks. *Fall, Spring.*

TPP 2170C CAH-THEA 3(2,2)
Acting II -The Actor Prepares: PR: "C" (2.0) or better in TPP 2110C. Fundamental techniques to acting, with emphasis on characterization and character development. *Fall, Spring.*

TPP 2185 CAH-THEA 3(3,0)
Acting for Non-majors: Introduction to the fundamentals of acting. *Fall, Spring.*

TPP 2190L CAH-THEA 1(0,VAR)
Theatre Participation-Performance I: PR: Theatre major or minor or department consent. Participation in UCF Theatre productions. May be repeated for credit. *Fall, Spring.* M&S fee \$48.00

TPP 2700C CAH-THEA 3(2,2)
Stage Speech/Voice: PR: BA Theatre major or minor and "C" (2.0) or better in THE 2081C. Practical stage voice as it applies to performance. Credit cannot be applied towards BFA acting and musical theatre majors. *Spring.*

TPP 2710C CAH-THEA 2(2,1)
Voice Production I: PR: BFA acting major. Lessac, Skinner, phonetics, and the vocal apparatus. *Fall.*

TPP 3103 CAH-THEA 3(3,0)
Intermediate Acting: PR: B.A. Theatre Studies major, BFA Design & Technology major, BFA Stage Management major or Theatre minor and "C" (2.0) or better in TPP 2101. Practice and execution of scene work, monologue work, and exercises. *Fall, Spring.*

TPP 3173C CAH-THEA 3(2,2)
Acting III - Building the Character: PR: Grade of C (2.0) or better required in TPP 2170C. Reinforcement of acting techniques begun in Acting II, with emphasis on characterization and character development. *Spring.*

TPP 3197L CAH-THEA 3(0,VAR)
Summer Theatre/Performance: PR: Audition/Interview or departmental consent. Production assignments and responsibilities during the rehearsals/performance of play scripts produced on the UCF mainstage. May be used in the degree program a maximum of 8 times. *Occasional.* M&S fee \$20.00

TPP 3251 CAH-THEA 3(2,2)
Musical Theatre Acting I: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 2110C. Practical acting techniques with solo musical theatre repertoire. *Fall.*

TPP 3252 CAH-THEA 3(3,0)
Musical Theatre Acting II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3251. Practical acting technique as it applies to musical theatre scene study. *Spring.*

TPP 3257C CAH-THEA 2(2,2)
Musical Theatre Voice I: PR: B.F.A. Musical Theatre or B.F.A. Acting major and "C" (2.0) or better in THE 2081C. Craft of singing including anatomy, physiology, and diction utilizing musical theatre repertoire. *Spring.*

TPP 3258C CAH-THEA 2(2,2)
Musical Theatre Voice II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3257C. Artistry of singing including function of music and lyrics, and problems in song interpretation utilizing musical theatre repertoire. *Fall.*

TPP 3264C CAH-THEA 3(3,2)
Acting on Camera: PR: BA Theatre major; "C" (2.0) or better in TPP 2101, TPP 3103, and THE 2081C. Preparing the actor for professional work in the TV/Film industry. *Occasional.*

TPP 3310C CAH-THEA 3(2,2)
Directing for Theatre I: PR: Theatre majors, Junior Standing, and C (2.0) or better required in THE 3312. Principles and techniques of play direction to include script selection, directorial analysis, casting, composition/picturization, blocking, tempo, and rehearsal planning. *Fall, Spring.*

TPP 3510C CAH-THEA 2(2,1)
Movement for the Actor I: PR: BFA Acting Major. Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. *Fall.*

TPP 3513C CAH-THEA 2(2,1)
Movement for the Actor II: PR: C (2.0) or better in TPP 3510C. Reinforcement of the techniques of TPP 3510C. *Fall.*

TPP 3711C CAH-THEA 2(2,1)
Voice Production II: PR: "C" (2.0) or better in TPP 2710C. Reinforcing stage voice awareness introduced in TPP 2710C, focusing on a physical approach to acting texts. *Spring.*

TPP 3712C CAH-THEA 2(2,1)
Voice Production III: PR: "C" (2.0) or better in TPP 3711C. Emphasis on study of Shakespearean and heightened language. *Fall.*

TPP 3952L CAH-THEA 3(0,VAR)
Summer Studio Performance: PR: Audition/Interview or departmental consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. *Occasional.* M&S fee \$20.00

TPP 4140C CAH-THEA 3(2,2)
Acting IV - Creating the Role: PR: "C" (2.0) or better in TPP 3173C. Continued exploration and application of acting techniques through scene study. *Fall.*



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TPP 4142C CAH-THEA 3(2,2) Acting Verse: PR: Grade of C (2.0) or better required in TPP 4140C. Verse drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. <i>Occasional.</i>	TPP 4531C CAH-THEA 2(2,1) Period Movement: PR: Grade of C (2.0) or better required in TPP 3173C. Continuation of Movement/Dance work. Emphasis given to period styles. <i>Fall.</i>	TPP 5516C CAH-THEA 2(2,1) Movement Studio II: PR: TPP 5515 or C.I. Principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unarmed combat. <i>Spring.</i>
TPP 4143C CAH-THEA 3(2,2) Acting Styles: PR: "C" (2.0) or better in TPP 3103 or TPP 4140C. An advanced and comprehensive view of acting styles. <i>Occasional.</i>	TPP 4730C CAH-THEA 2(2,1) Dialects: PR: Grade of "C" (2.0) or better required in TPP 3711C. Analysis of dialects and regionalisms, reinforcing the study of phonetics, placement, and vocal apparatus. <i>Occasional.</i>	TPP 5554C CAH-THEA 2(2,4) Musical Theatre Dance I: PR: MFA Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. <i>Fall.</i>
TPP 4193L CAH-THEA 1(0,VAR) Theatre Participation-Performance II: PR: Theatre major or minor and "C" (2.0) or better in TPP 2190L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. <i>Fall, Spring.</i> M&S fee \$48.00	TPP 4746C CAH-THEA 2(2,2) Musical Theatre Repertoire: PR: Theatre major and grade of "C" (2.0) or better in TPP 3257C. Advanced musical theatre repertoire study in preparation for professional auditions. May be used in the degree program a maximum of 6 times. <i>Occasional.</i>	TPP 5555C CAH-THEA 2(2,4) Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. <i>Spring.</i>
TPP 4221 CAH-THEA 3(3,0) Auditioning: PR: "C" (2.0) or better in TPP 2170C. Selecting monologues, auditioning techniques and cold readings. <i>Spring.</i>	TPP 4923C CAH-THEA 2(2,2) Musical Theatre Voice IV: PR: "C" (2.0) or better in TPP 4259C. Continuation of diagnosis and development of the singing voice using patter song, in-context and out-of-context presentation, stylization utilizing musical theatre repertoire. Individualized instruction. <i>Fall.</i>	TPP 5715C CAH-THEA 2(2,1) Stage Voice I: PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage: the correct production of sound, breathing, relaxation of physical tension, and articulation. <i>Fall.</i>
TPP 4223C CAH-THEA 3(2,2) Theatre Careers for Performance: PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. <i>Spring.</i>	TPP 4940L CAH-THEA 6(0,VAR) Theatre Internship: PR: Restricted to B.F.A. Theatre majors, and Junior Standing and subject to Departmental approval. Off-campus internship programs in professional theatre. Required of all B.F.A. theatre majors. <i>Fall, Spring.</i>	TPP 5716C CAH-THEA 2(2,1) Stage Voice II: PR: Admission to the MFA Performance program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner's narrow transcription with consonants, review of all Linklater work, and introduction to the work of Arthur Lessac. <i>Spring.</i>
TPP 4243C CAH-THEA 2(2,2) Circus Arts: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101, TPP 2110C and THE 2081C or THE 2000. Circus history and introduction to a wide range of circus skills. <i>Occasional.</i>	TPP 5125C CAH-THEA 2(2,2) Improvisation Studio: PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom. <i>Odd Fall.</i>	TPP 5754 CAH-THEA 2(2,0) Musical Theatre Voice I: PR: Admission to MFA Musical Theatre program. Voice study devoted to the diagnosis and development of the singing voice and its application to musical theatre performance placing particular emphasis upon vocal technique. <i>Fall.</i>
TPP 4244 CAH-THEA 3(2,2) The Art of Storytelling: PR: Theatre major or minor, "C" (2.0) or better in TPP 2101, TPP 2185, or TPP 2110C and THE 2000 or THE 2081C. Application of theatrical storytelling as an art form. <i>Occasional.</i>	TPP 5156C CAH-THEA 3(2,2) Acting Studio I: PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. <i>Fall.</i>	TPP 5935C CAH-THEA 2(2,2) Contemporary Practices in Youth Theatre: PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. <i>Odd Spring.</i>
TPP 4253C CAH-THEA 3(2,2) Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and a "C" (2.0) or better in TPP 3252 and TPP 3258C. Advanced work in cabaret/one-person construction and performance with an emphasis on show preparation. <i>Occasional.</i>	TPP 5157C CAH-THEA 3(2,2) Acting Studio II: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of modern (1850-) European playwrights with emphasis on the works of Ibsen/Chekhov/Shaw. <i>Spring.</i>	TSL 3346 CAH-LANG 3(3,0) English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. <i>Fall, Spring.</i>
TPP 4259C CAH-THEA 2(2,2) Musical Theatre Voice III: PR: "C" (2.0) or better in TPP 3258C. Diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized instruction. <i>Spring.</i>	TPP 5246C CAH-THEA 2(2,2) Circus Arts: PR: Admission to Theatre graduate program or C.I. Circus skills and history. <i>Even Spring.</i>	TSL 4080 ED-TL&L 3(3,0) Theory and Practice of Teaching ESOL Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL), ESOL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. <i>Fall, Spring.</i>
TPP 4265C CAH-THEA 3(3,2) Camera Acting: PR: "C" (2.0) or better in TPP 4142C. Application of previous acting training to the TV/Film medium. <i>Occasional.</i>	TPP 5248C CAH-THEA 2(2,2) Storytelling as a Theatrical Art Form: PR: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. <i>Spring.</i>	TSL 4240 CAH-LANG 3(3,0) Issues in Second Language Acquisition: PR: TSL 4080. English phonology, morphology, syntax, and semantics, for future teachers. <i>Fall, Spring.</i>
TPP 4268C CAH-THEA 3(3,2) Acting VII Advanced Acting For TV/Film: PR: "C" (2.0) or better in TPP 4265C. A practical, detailed, and structured approach to acting for the camera by working on a TV/Film project. <i>Spring.</i>	TPP 5273 CAH-THEA 2(2,0) Musical Theatre Acting I: PR: TPP 5157C. Integrated study in musical theatre acting, singing and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation. <i>Occasional.</i>	TSL 4363 CAH-LANG 3(3,0) ESL Classroom Experiences: PR: TSL 3346 (B- or better). Practical instruction and experiences for future teachers of English conversation. Includes micro-teaching in class as well as 25 hours of experience working with non-native speakers. <i>Spring.</i>
TPP 4270C CAH-THEA 2(2,2) Music Theatre Voice V: PR: "C" (2.0) or better in TPP 4923C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. <i>Spring.</i>	TPP 5278C CAH-THEA 1(1,1) Musical Theatre Lab: PR: TPP 5157C. Practical course in developing musical theatre skills for the actor. <i>Spring.</i>	TSL 4942 ED-TL&L 3(3,0) ESOL Field Experience: PR: TSL 4080. Practical application of research and theory on teaching and assessing academic subjects to second language (L2) learners in grades Pre-K-12. <i>Fall, Spring.</i>
TPP 4271C CAH-THEA 2(2,2) Music Theatre Voice VI: PR: "C" (2.0) or better in TPP 4270C. Continuation of TPP 4270C and its application to music theatre performance. Individualized instruction. <i>Fall.</i>	TPP 5289C CAH-THEA 2(2,3) Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. <i>Even Fall.</i>	TSL 4943 ED-TL&L 3(3,0) L2 Academic Language Instruction: PR: TSL 4080. Research, theory, and practical application of teaching and assessing academic language and disciplinary literacy for second language (L2) learners in grades Pre-K-12. <i>Spring.</i>
TPP 4311C CAH-THEA 3(2,2) Advanced Directing for Theatre: PR: "B" (3.0) or better grade in TPP 3310C. Practical experience directing class scenes and projects. <i>Spring.</i>	TPP 5386C CAH-THEA 3(3,3) Directing for Young Audiences: PR: THE 5910 and THE 5385. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. <i>Odd Spring.</i>	
TPP 4512C CAH-THEA 2(2,2) Stage Combat: PR: BFA Acting or Musical Theatre major, grade of "C" (2.0) or better in TPP 3711C, and Senior standing. Stage combat with emphasis on hand-to-hand combat. <i>Occasional.</i>	TPP 5515 CAH-THEA 2(2,0) Movement Studio I: PR: Admission to MFA Performance Program. Graduate level course in principles and methods of movement for the stage focusing on relaxation, centering, increased physical control, and physical development of a character. <i>Fall.</i>	



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TSL 4945 ED-TL&L 3(3,0)
ESOL Clinical Experience: PR: TSL 4942 and TSL 4943. Practical application of research and theory on teaching and assessing academic language and disciplinary literacy to second language (L2) learners in grades Pre-K-12. *Fall, Spring.*

TSL 5085 ED-TL&L 3(3,0)
Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education and Human Performance Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. *Fall, Spring.*

TSL 5325 CAH-LANG 3(3,0)
ESOL Strategies: PR: Graduate status or senior standing or C.I. This course will survey cross-cultural communication and understanding, testing and evaluation, curriculum and methods of teaching ESOL to meet the needs of limited English proficient students. *Occasional.*

TSL 5345 ED-TL&L 3(3,0)
Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. *Fall, Spring.*

TSL 5376 CAH-LANG 3(3,0)
Reading and Writing in a Second Language: PR: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. *Occasional.*

TSL 5380 CAH-LANG 3(3,0)
Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasizes research in computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. *Occasional.*

TSL 5525 ED-TL&L 3(3,0)
ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. *Occasional.*

TSL 5601 CAH-LANG 3(3,0)
Second Language Vocabulary Learning: PR: Graduate standing or C.I. Considers lexical issues encountered by second language learners; explores best practices for learners and their teachers and examines current research for pedagogical application. *Occasional.*

TSL 5940 CAH-LANG 3(3,0)
Issues in TEFL: PR: Graduate status or senior standing or C.I. Address issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. *Spring.*

TTE 3810 ECS-CECE 3(3,0)
Highway Engineering: PR: STA 3032 with a grade "C" (2.0) or better. Three functional classifications are covered: planning, design and operation of transportation facilities. Emphasis is on the highway transportation mode. *Fall, Spring.*

TTE 4274 ECS-CECE 3(3,0)
Transportation Engineering Systems: PR: TTE 3810 with a grade of "C" (2.0) or better. Topics such as safety, Intelligent Transportation Systems, and airport transportation will be covered. *Fall, Spring.*

TTE 4601C ECS-CECE 3(2,2)
Urban Systems Design: PR: TTE 3810 with a grade of "C" (2.0) or better and department consent. Project design course covering principles/techniques of planning, traffic analysis, and highway design. Including projecting traffic volumes, laying out alternative routes, designing of alignments/intersections. *Occasional.* M&S fee \$25.00

TTE 5204 ECS-CECE 3(3,0)
Traffic Engineering: PR: TTE 3810 or C.I. Study of operator and vehicle characteristics, and design for street capacity, signals, signs, and markings. *Occasional.*

TTE 5256 ECS-CECE 3(3,0)
Traffic Operations: PR: TTE 3810 or C.I. Fundamentals and applications that describe traffic operations on highways and streets. Work on real life traffic operations project and report results in class. *Fall.*

TTE 5805 ECS-CECE 3(3,0)
Geometric Design of Transportation Systems: PR: TTE 3810 or C.I. Study of highway geometric design in the engineering of transportation systems. *Occasional.*

TTE 5835 ECS-CECE 3(3,0)
Pavement Design: PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. *Occasional.*

VIC 3001 COS-COMM 3(3,0)
Visual Communication: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. A study of human visual systems and influences of visual media on modern society. *Fall, Spring.*

WOH 2012 CAH-HIST 3(3,0)
World Civilization I: A topical approach to the study of the rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. *Fall, Spring.*

WOH 2012H CAH-HIST 3(3,0)
Honors World Civilization I: PR: Permission of Honors. The rise and decline of world civilizations from antiquity to the great civilizations of medieval times. Honors content. *Occasional.*

WOH 2022 CAH-HIST 3(3,0)
World Civilization II: Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. *Fall, Spring.*

WOH 2022H CAH-HIST 3(3,0)
Honors World Civilization II: PR: Permission of Honors. Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. *Occasional.*

WOH 4272 CAH-HIST 3(3,0)
Age of Atlantic Revolutions 1763-1826: PR: AMH 2010 or C.I. Compares origins, development, and outcomes of the American, French, Latin American, and Haitian Revolutions. *Occasional.*

WST 3015 CAH-WOM 3(3,0)
Introduction to Women's Studies: PR: ENC 1102 or C.I. Interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. *Fall, Spring.*

WST 3015H CAH-WOM 3(3,0)
Honors Introduction to Women's Studies: PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors content. *Even Spring.*

WST 3020 CAH-WOM 3(3,0)
Girls' Studies: PR: ENC 1102. Girls' Studies, an emerging field within Women's Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. *Occasional.*

WST 3371 CAH-WOM 3(3,0)
Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership styles, obstacles facing women leaders, and learning from women leaders. *Occasional.*

WST 3460 CAH-WOM 3(3,0)
Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. *Occasional.*

WST 3460H CAH-WOM 3(3,0)
Honors Women, Race and Struggle: PR: Consent of Honors. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. With Honors content. *Occasional.*

WST 3500 CAH-WOM 3(3,0)
Gender Issues and Community Activism: PR: WST 3015 or C.I. Feminist perspectives applied to current community issues. Interdisciplinary analysis through service learning and field research. Issues will vary. May be repeated for credit. *Occasional.*

WST 3522 CAH-WOM 3(3,0)
First and Second Wave Feminisms: PR: ENC 1102. History of Western feminist thought, from the late eighteenth century to the 1980s, through texts by First and Second Wave Feminists. *Occasional.*

WST 3561 CAH-WOM 3(3,0)
Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. *Even Spring.*

WST 3621 CAH-WOM 3(3,0)
Theories of Masculinity: PR: ENC 1102. Masculinity from feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. *Occasional.*

WST 4002 CAH-WOM 3(3,0)
Research in Women and Gender: PR: WST 3015 or C.I. Examination of scholars and research in a variety of areas pertaining to the study of women and gender relations. *Occasional.*

WST 4021 CAH-WOM 3(3,0)
Girls and Leadership: PR: ENC 1102 and WST 3020. Feminist theory and practice related to the building of leadership skills in girls. Service learning component. *Occasional.*

WST 4022 CAH-WOM 3(3,0)
Girls and the Body: PR: ENC 1102 and WST 3020. Feminist theory and practice applied in an examination of body image as it relates to girls in contemporary society. Service learning component. *Occasional.*

WST 4023 CAH-WOM 3(3,0)
Virtual Girls: PR: ENC 1102 and WST 3020. Feminist theory and practice applied in an examination of the role of technology in the lives of young girls. Service learning component. *Occasional.*

WST 4349 CAH-WOM 3(3,0)
Ecofeminism: PR: ENC 1102 and WST 3015. Connections between feminism and the environment. *Occasional.*

WST 4415 CAH-WOM 3(3,0)
Global and Transnational Feminism: PR: ENC 1102 and WST 3015. Feminist theory from a global, multi-cultural perspective, combined with global feminist activism. Service learning component. *Occasional.*

WST 5347 CAH-WOM 3(3,0)
Research Seminar in Gender Studies: PR: Graduate status or senior standing, or C.I. Research seminar exploring relationships among feminist theorizing, research, and social change, the development of gender studies programs and their relationships to other academic disciplines. *Occasional.*

WST 5601 CAH-WOM 3(3,0)
Theories in Gender Studies: PR: Graduate standing, Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. *Even Fall.*

ZOO 3701C COM-M&M 3(1,4)
Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional materials/specimens). The primary student population should be junior/senior pre health professional applicants preparing for the basic medical sciences of professional schools. *Spring.* M&S fee \$70.00

ZOO 3713C COS-BIOL 5(3,6)
Comparative Vertebrate Anatomy: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. *Fall.* M&S fee \$65.00

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ZOO 3733C COM-M&M 4(3,3)
Human Anatomy: PR: BSC 2010C or equivalent.
 Structure of the human body. *Fall, Spring.* M&S fee \$6.00

ZOO 3733C COM-M&M 4(3,3)
Honors Human Anatomy: PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Content. *Spring.* M&S fee \$6.00

ZOO 3736C COM-M&M 4(3,2)
Exercise Physiology Anatomy: PR: BSC 2010C, C.I. Gross anatomy for exercise physiology majors. *Fall, Spring.* M&S fee \$6.00

ZOO 3744 COM-M&M 3(3,0)
Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. *Fall, Spring.*

ZOO 3755C COM-M&M 4(3,1)
Introductory Histology: PR: PCB 3703C or ZOO 3733C or equivalent. Basic principles of tissue staining, techniques, microscopy, cellular structure and other basic concepts. An introduction to the formation and structure of the four basic human tissues: Epithelium, Connective, Muscle & Nervous. Familiarizes students with normal cells, tissues structure and ultrastructure imaging. *Odd Fall, Odd Spring.*

ZOO 4205C COS-BIOL 4(3,3)
Biology and Ecology of Metazoan Invertebrates: PR: A "C" (2.0) or better in all the following; BSC 2010C, BSC 2011C, and PCB 3044, or C.I. Anatomy, ecology, taxonomy, behavior, evolution, and parasitological relations of the radiates, bilateria, acoelous, pseudocoelous, schizocoelous, and enterocoelous invertebrates. *Occasional.* M&S fee \$34.00

ZOO 4310C COS-BIOL 4(2,6)
Vertebrate Evolution & Ecology: PR: A "C" (2.0) or better in all the following; BSC 2010C, BSC 2011C, PCB 3044, and PCB 3063, or C.I. Vertebrate evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and field work. *Occasional.* M&S fee \$65.00

ZOO 4480 COS-BIOL 4(4,0)
Mammalogy: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Diversity and biology of mammals from an evolutionary perspective. *Even Spring.*

ZOO 4513 COS-BIOL 3(3,0)
Animal Behavior: PR: A "C" (2.0) or better in PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. *Odd Fall.*

ZOO 4603C COS-BIOL 5(3,4)
Embryology/Development: PR: A "C" (2.0) or better in both PCB 3063 and PCB 3023, or PCB 3522, or C.I. Concepts of developmental processes. Emphasis on mechanisms underlying vertebrate development. *Spring.* M&S fee \$22.00

ZOO 4605 COM-M&M 3(3,0)
Human Clinical Embryology and Congenital Malformation: PR: ZOO 3733C. Advanced functional human clinical embryology with focus on congenital abnormalities. *Occasional.*

ZOO 4742 COM-M&M 3(3,0)
Advanced Neurobiology: PR: ZOO 3744. Advanced topics in movement, vision, motivation, sex and brain, emotions, biological rhythms, sleep, language, attention, mental illness, development, learning, memory, degeneration, regeneration. *Spring.*

ZOO 4743C COM-M&M 4(3,1)
Clinical Neuroanatomy and Neuroscience: PR: ZOO 3733C with a B (3.0) or better. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. *Fall.*

ZOO 4743C COM-M&M 4(3,2)
Honors Clinical Neuroanatomy: PR: ZOO 3733C and Honors consent. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. *Occasional.*

ZOO 4747C COM-M&M 4(3,1)
Clinical Neuroscience: PR: ZOO 3744 or ZOO 4743C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. *Spring.*

ZOO 4747C COM-M&M 4(3,1)
Honors Clinical Neuroscience: PR: ZOO 3744 or ZOO 4743C and consent of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology and neurodiagnostics with Honors content. *Spring.*

ZOO 4753C COM-M&M 4(3,3)
Vertebrate Histology: PR: ZOO 3733C. Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal-tissue microtechnique. *Spring.* M&S fee \$25.00

ZOO 5456C COS-BIOL 4(2,6)
Ichthyology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. *Occasional.* M&S fee \$25.00

ZOO 5463C COS-BIOL 4(2,4)
Herpetology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. *Odd Spring.* M&S fee \$60.00

ZOO 5475L COS-BIOL 3(0,6)
Field Ornithology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systematics. *Occasional.* M&S fee \$30.00

ZOO 5486 COS-BIOL 4(4,0)
Mammalogy: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of the diversity and biology of mammals from an evolutionary perspective. *Even Spring.*

ZOO 5745C COM-M&M 4(3,3)
Essentials of Neuroanatomy: PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. *Occasional.* M&S fee \$15.00

ZOO 5748C COM-M&M 5(3,2)
Clinical Neuroanatomy: PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. *Fall.*

ZOO 5749C COM-M&M 5(3,2)
Clinical Neuroscience: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4743C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. *Spring.*



UNIVERSITY FACULTY

The date indicates the first year of employment at the University of Central Florida.

ABBAS, HADI, Associate Professor of SVAD (1995), B.F.A., M.F.A. (Wichita State University)
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ANDERSON, RANDY, I., Howard Phillips Eminent Scholar Chair of Real Estate and Professor of Real Estate (2008), B.A., Ph.D. (University of Alabama)
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CASSANELLO, ROBERT V., Assistant Professor of History (2007), B.A., M.A., Ph.D. (Florida State University)
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CATBAS, F. NECATI, Associate Professor of Civil, Environmental, and Construction Engineering, Associate Chair (2003), B.S.C.E., M.S., Ph.D. (University of Cincinnati), PE (Florida)
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CHAKRABARTI, DEBOPAM, Professor (1995), Ph.D. (University of Calcutta-Bose Institute)
CHAKRABARTI, RATNA, Associate Professor (1996), Ph.D. (University of Calcutta)
CHAN, CHUNGYONG, Lecturer of Electrical Engineering and Computer Science (2011), B.S., M.S., Ph.D. (University of Mississippi)
CHANDA, DEBASHIS, Assistant Professor NSTC/ Optics (2012), Ph.D. (University of Toronto)
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HONORARY DEGREES AWARDED

December 1969	Kurt H. Debus, Doctor of Engineering Science William H. Dial, Doctor of Commercial Science	May 1995	Norman R. Augustine, Doctor of Engineering Science
June 1970	John W. Young, Doctor of Applied Sciences	December 1995	Jesse Stone, Doctor of Humane Letters
March 1973	Louis C. Murray, Doctor of Public Service	April 1996	Nicolaas Bloembergen, Doctor of Science
August 1974	Fred C. Clayton, Doctor of Professional Engineering	December 1996	Richard A. Nunis, Doctor of Public Service
August 1978	Richard F. Livingston, Doctor of Business Administration	May 1997	Maxwell C. King, Doctor of Public Service Joe R. Lee, Doctor of Commercial Science
June 1979	Albert F. Hegenberger, Doctor of Engineering Science Lee R. Scherer, Doctor of Engineering Science	August 1998	Trevor Colbourn, Doctor of Humane Letters
December 1979	Joseph Daniel Duffey, Doctor of Humane Letters	December 1998	Linda W. Chapin, Doctor of Public Service
June 1980	Thelma Vivian Jackson Dudley, Doctor of Humanities Howard Phillips, Doctor of Public Service	December 1999	Archbishop Desmond Tutu, Doctor of Humane Letters President Oscar Arias, Doctor of Humane Letters
December 1981	Gene Burns, Master of Letters	May 2000	Reubin O'D. Askew, Doctor of Public Service
April 1982	Robert J. Whalen, Doctor of Engineering Science Andrew Duda, Jr., Doctor of Agricultural Service Ferdinand Duda, Doctor of Agricultural Service John Duda, Doctor of Agricultural Service	May 2001	Lotfi Zadeh, Doctor of Science Richard M. Karp, Doctor of Science Joseph F. Traub, Doctor of Science
July 1982	Mary Jo Davis, Doctor of Public Service William E. Davis, Doctor of Public Service	May 2002	LeRoy T. Walker Sr., Doctor of Public Service James Bacchus, Doctor of Public Services Richard M. DeVos, Sr., Doctor of Commercial Science
December 1982	Joseph A. Boyd, Doctor of Engineering Science	October 2002	Nancy Burnett, Doctor of Commercial Science Albert Burnett, Doctor of Commercial Science
July 1983	J. W. Hubler, Doctor of Engineering Science Charles Wadsworth, Doctor of Public Service	December 2002	Robert E. Kahn, Doctor of Science
December 1984	Allan E. Gotieb, Doctor of Laws	December 2004	G. Vince Amico, Doctor of Science Lester Mandell, Doctor of Commercial Science
May 1985	George J. Becker, Jr., Doctor of Public Service Jerry Collins, Doctor of Public Service D. Robert Graham, Doctor of Public Service Walter O. Lowrie, Doctor of Engineering Science William C. Schwartz, Doctor of Engineering Science	May 2005	Harriet Elam-Thomas, Doctor of Public Service
March 1986	Isaac Bashevis Singer, Doctor of Letters	March 2006	Anibel Acevedo Vila, Doctor of Public Science
October 1988	Elie Wiesel, Doctor of Letters	December 2006	Rita Bornstein, Doctor of Humane Letters
December 1988	Sven Caspersen, Doctor of Engineering Science John D. Holloway, Doctor of Public Service Wolfgang-Detlef Petri, Doctor of Commercial Science	May 2007	Charles Hard Townes, Doctor of Science
May 1989	Frank M. Hubbard, Doctor of Public Service David Albertson, Doctor of Humane Letters William S. Jenkins, Doctor of Humane Letters James C. Robinson, Doctor of Public Service Charles N. Millican, Doctor of Laws	December 2008	Robert Vander Weide, Doctor of Commerce
May 1990	Helen Harris Perlman, Doctor of Humane Letters Thaddeus Seymour, Doctor of Letters	May 2009	Howard Lance, Doctor of Science
May 1991	Roald Hoffman, Doctor of Science	December 2009	Jerry S. Roth, Doctor of Commercial Science
May 1992	Robert Bryan, Doctor of Humane Letters	December 2011	James A. Hinson, Doctor of Public Service
May 1993	Buell G. Duncan, Jr., Doctor of Commercial Science	December 2012	Sanford Shugart, Doctor of Humane Letters
		May 2013	President William Jefferson Clinton, Doctor of Humane Letters Michael M. Crow, Doctor of Humane Letters



UCF GLOSSARY

A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (<https://my.ucf.edu>) by adding courses. Students should check the appropriate term's Web Enrollment Guide for details.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at <https://my.ucf.edu>. (See also "Degree Audit")

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

BHC: Burnett Honors College

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences within the College of Medicine.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at <http://www.catalog.sdes.ucf.edu>.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration.

CECS: College of Engineering and Computer Science.

CEDHP: College of Education and Human Performance.

Certificate: special program of study supplemental to a major.

CI: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at <https://my.ucf.edu>) that lists courses and class sections offered each academic term.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are twelve colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education and Human Performance (CEDHP), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), and Rosen College of Hospitality Management (RCHM).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student's prior consent, unless the student has filed a "Directory Disclosure/Release Authorization Form" with the Registrar's Office. Directory information at UCF includes the student's name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes' height and weight.

Disqualified: a student on academic probation is disqualified upon failure to achieve a minimum 2.0 UCF GPA during the subsequent term. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student's permanent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/minor.

Email: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at <https://my.ucf.edu>, the kiosk and in limited circumstances at the colleges' advising offices.

Enrollment Certification: an official University document that provides a student's enrollment history including status, dates enrolled, and degrees awarded, available online at <https://my.ucf.edu> in Student Self Service.

Equipment Fee: a charge associated with some majors to cover the use and replacement of equipment.

Excess Credit Hour Surcharge: a surcharge to each credit hour taken in excess of the total number of credit hours required to complete the degree being pursued. The amount in excess of the total hours is calculated based on a percentage defined in statute and is referred to by the University of Central Florida as baseline hours limit.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See "Readmission" for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at <https://my.ucf.edu> in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for "First Time In College," referring to those students who currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the fall and spring and summer terms.

FYAE: First Year Advising and Exploration.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student's life.

Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of "C-" (1.75) or better.

GPA: "Grade Point Average": the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.

UCF Glossary

Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student's academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student's grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a "negative service indicator", this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as "limited access" only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: a charge associated with some courses to cover items consumed within the class.

Matriculation: enrollment and attendance your initial term at UCF. Can be as an admitted, degree-seeking student or as a nondegree student.

MEP: Major Exploration Program to assist students who are undecided about a major.

Minor: a complement to a bachelor's degree program/ major requiring at least 18 credit hours in a field.

myUCF: the UCF/student information portal online at <https://my.ucf.edu>. myUCF is a powerful, security-encrypted, PID (Personal Identification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights Email account, telephone number, and permanent/ mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and Drop/Swap, print the "Degree Audit," obtain the registration appointment day and time for each term, print a "Fee Invoice," pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs.

Nursing: College of Nursing.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal Identification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student's status upon acceptance into the program.)

PID: (Personal Identification Number): personal eight-digit code required when entering myUCF or the UCF Information Kiosks.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student's UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar's Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at <https://my.ucf.edu>, kiosk and in limited circumstances at the colleges' advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students' continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the "Student Financial Assistance" section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: There may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & Second Year Center

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All twelve Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called "terms" (also called "semesters"). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them "quarters." UCF is on the semester system; however, we usually speak of "Fall Term," "Spring Term," or "Summer Sessions."

Term GPA: grade point average (GPA) on work attempted during any given term.

Third Attempt Charge: see "Repeat Surcharge."

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar's Office.

TSD: Time Shortened Degree or Accelerated Education Opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

VARC: Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student disabilities services, counseling services, and various other programs and services for student veterans.

Web Enrollment Guide: online at <http://registrar.ucf.edu/weg/>. Provides the "Academic Calendar," guides to registering online, Class Schedule Search and the Fee Invoice, and contains the policies that govern course registration. Each term's class listings are available only online through myUCF Class Schedule Search at <https://my.ucf.edu>.

Withdrawal, Withdraw from a Course: to formally request an official departure from one or more courses during the first half of the term or session through myUCF (<https://my.ucf.edu>) or at the Registrar's Office. Students are still responsible for tuition and fees for withdrawn courses.



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