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.

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!

I hope you are excited about the new academic year and the many opportunities that await you at UCF. 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.

A college education is all about learning, and excellent learning occurs in our classrooms, laboratories, and studios. 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.

Take pride in your university. Our academic programs are setting the standard for the nation, 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.

Take pride in yourself. Make the UCF Creed an integral part of your value system. Conduct yourself on campus and in the community to bring distinction to you and to our university.

You have my best wishes for success during this coming year. 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 188,000 alumni whose lives have been changed by their UCF experience.

Remember, UCF stands for opportunity. Seize this opportunity for your success.

Cordially yours,

John C. Hitt
President
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<td>6 Weeks</td>
<td>12 Weeks</td>
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<tr>
<td>Application Deadline for All New Undergraduates</td>
<td>March 1</td>
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<tr>
<td>Application Deadline for Readmission</td>
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<td>Application Deadline for Graduate Programs Without Deadline</td>
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<td>Mar. 9 - Apr. 25</td>
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<td>Housing Payment Due</td>
<td>April 29</td>
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<td>April 29</td>
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<tr>
<td>Registration on myUCF</td>
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<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
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<td>On-campus Housing opens</td>
<td>May 15</td>
<td>June 25</td>
<td>May 15</td>
<td>N/A</td>
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<tr>
<td>Classes begin</td>
<td>May 16</td>
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<tr>
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<td>May 27, 2011 - Students registering from 3/21/11 through 5/20/11</td>
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<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
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**NOTE:** Dates are subject to change. Consult the Web Enrollment Guide and online Academic 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 30, 2011
- **Independence Day Holiday** .................................................. July 4, 2011
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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 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 (and junior/senior level students who have completed all sections of the CLAS) will receive their appointment dates and times for Summer 2011, Fall 2011 and Spring 2012 beginning February 28, 2011. Registration for these students will begin on or after March 21, 2011. All other eligible students will receive their registration times beginning October 10, 2011 and Spring registration for these students will begin on or after October 24, 2011.

University Holidays and Special Events

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**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, parental status, genetic information, 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;
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 rules. Employees, students, 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-1EEE. 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-event guidelines.

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 the 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 beverage 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.


**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 and/or disciplinary action. Academic action affects student assignments, examinations or grades. Disciplinary action may affect student enrollment status. Academic Misconduct includes, but is not limited to: cheating, plagiarism, 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 breaches of standards shall be held jointly responsible, as it affects student assignments, examinations, or grades. If the student is found not to have violated the standards, then the instructor of the course may reduce the grade of the student who assisted another in cheating or plagiarism.

The instructor may request disciplinary action through the Office of Student Rights and Responsibilities as outlined 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, e-mailing 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 Knight’s E-mail accounts and Internet access. Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adapter. Recommended configurations can be found on the University’s Website at [http://ostore.ucf.edu/graphics/ComputerRecommendations.pdf](http://ostore.ucf.edu/graphics/ComputerRecommendations.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 e-mail 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 E-mail address to ensure that there is one repository for that information. Every student must register for, and maintain, a Knights E-mail account at [http://www.knightsemail.ucf.edu](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 must be resolved through the UCF Computer Services Service Desk so that a student receives all important messages (servicedesk@ucf.edu or 407-823-5117).

Additionally, each student must have an up-to-date emergency e-mail 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 E-mail account for official announcements and notifications. Communications sent to the Knights E-Mail 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 E-Mail 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/](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](https://).
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 in-person instruction may include any of the following elements: web activity, in-person or proctored examinations, and labs. See course notes for details.

Complete listings of all fully and partially web-based classes from the class schedule are also excerpted and available on the Learning Online website at http://learn.ucf.edu. Students who plan to enroll in any course with a web component must have access to the Internet, a Web browser such as Internet Explorer or Firefox, web-based knowledge, ability to use e-mail, and basic computer skills such as word processing. For additional information, refer to the Learning Online website (http://learn.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.

Regional Campuses
http://wwwREGIONALCAMPUSES.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 24 Bachelor’s programs, 18 minors, 12 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, UCF Daytona Beach, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF 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 Brevard Community College, Lake Sumter Community College, Seminole State College and Valencia Community College. This agreement provides 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://wwwREGIONALCAMPUSES.ucf.edu.

Administration
UCF Regional Campuses Administration
12201 Research Parkway, Suite 101
Orlando, 32826; 407-823-4547

Interim Vice Provost, UCF Regional Campuses …………Joyce Dorner
Senior Administrative Assistant ……………………Dania Suarez
Associate Vice President, Executive Director, Academic Initiatives …………Stephen Holmes
Assistant Director, Academic Initiatives …………Cyndi Thomas
Facilities Scheduler …………Denise Devlin
Computer Support, Statistical Research …………Jeanne Walker
Assistant Vice President, Student Services …………A.J. Range
Office Assistant …………Kenya Cabrera
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  
College/Division IT Manager ............... Kirk Henry  
Senior Multimedia Specialist ............... Calston Llwynlynn  
Coordinator, Academic Advising Services I ............... Michelle Fuentes  
Coordinator, Academic Advising Services II ............... TBA  
Coordinator, Admission Services ............... Operations ............... David Laney  
Administrative Assistant .................. Jeanette Holder  
Director, Academic Support Services .......... Joe Schofield  
Director, Library Services .................. Cynthia Kisby  
Senior Administration ..................... Mary Lou Wade  

Campuses  

UCF Valencia West, UCF South Orlando, UCF Valencia Osceola  
Director, Academic Support Services ............... Edgar Martinez  
Administrative Assistant .................. Jacqueline Diaz  
Assistant Director, Enrollment Services .......... Chris Fletcher  
Coordinator, Enrollment Services ............. Shelli Thomas-Small  
Coordinator, Academic Advising Services I ............... Carol Black  
Coordinator, Academic Advising Services II ............... Chris Miller  
Coordinator, Academic Advising Services II ............... Celena Lue  
Coordinator, Academic Advising Services II .......... Lisa Cruz  
Coordinator, Academic Advising Services II ............... Melissa Hanbery  
Coordinator, Academic Advising Services II ............... David Berland  

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

UCF Sanford/Lake Mary, UCF Altamonte  
Associate VP and Director, UCF Sanford/Lake Mary and UCF Altamonte Springs ............... Dave Meador  
Coordinator, Academic Support Services ............... Sean Armstrong  
Administrative Assistant .................. Debbie Copertino  
Coordinator, Enrollment Services ............... Pamela Williams  
Coordinator, Academic Advising Services II ............... Jackie West-Lee  
Coordinator, Academic Advising Services II ............... Andrea Velez-Vazquez  
Coordinator, Academic Advising Services II ............... Michelle Camden  
Department IT Manager ....................... Jerry Frano  

UCF Cocoa, UCF Palm Bay  
Associate Vice President, Academic Services and Interim Campus Director, Cocoa/Palm Bay ............... Denise Young  
Director, Academic Support Services ............... Lauren Miller  
Coordinator, Regional Campus Student Services .......... Terry Exum  
Coordinator, Regional Campus Student Services ............... James C. Smith, Jr.  
Assistant Director, Enrollment Services ............... Kristina Watkins  
Coordinator, Enrollment Services ............... Nick Pantoni  
Assistant Director, Academic Support Services ............... Sonya Curts  
Coordinator, Academic Advising Services II ............... Angel Edgecombe  
Coordinator, Academic Advising Services II ............... Angela Jones  
Coordinator, Academic Advising Services II ............... Shakira Guice  
Coordinator, Academic Advising Services II ............... John King  
Coordinator, Academic Advising Services II ............... Sheryl Schagen  
Department IT Manager ....................... Sue Sorenson  

UCF South Lake, UCF Ocala, UCF Leesburg  
Assistant Vice President, Academic Services .......... Cecelia Rivers  
Assistant Director, Academic Support Services ............... Tanya Armstrong  
Administrative Assistant .................. Lilia Reyes  
Director, Regional Campus Student Services ............... Pamela Brady  
Assistant Director, Enrollment Services ............... Christy Pasinisin  
Coordinator, Enrollment Services ............... Thomas Silarek  
Coordinator, Academic Advising Services II ............... Selena Forrester  
Coordinator, Academic Advising Services II ............... Robin Tinsley  
Coordinator, Academic Advising Services II ............... Bethany Larson  
Coordinator, Academic Advising Services I ............... Scott Larson  
Department IT Manager ....................... Mei Wong  

UCF Cocoa  
321-433-7821  
(In partnership with Brevard Community College)  
Undergraduate Degree Programs  
Applied Science (B.A.S.) Office of Undergraduate Studies  
Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, 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  
Elementary Education (B.S.) College of Education  
History (B.A.) College of Arts and Humanities  
Interpersonal/Organizational Communication (B.A.) College of Sciences  
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies  
Legal Studies (B.A., B.A.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 Sciences (B.S.) College of Sciences  
Social Science Education (B.S.) College of Education  

Graduate Programs  
Applied Sociology (M.A.) College of Sciences  
Criminal Justice (M.S.) College of Health and Public Affairs  
Health Services: Health Services Administration (M.S.) College of Health and Public Affairs  
Industrial Engineering and Management Systems (M.S.) College of Engineering and Computer Science (Cohort)  
Public Administration (M.P.A.) 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: Early Childhood Education, Criminal Justice, Health Services Administration, Information Technology, Legal Studies, and Supervision and Administration  
Business Administration (B.A.) College of Business Administration  
Criminal Justice (B.A., B.S.) College of Health and Public Affairs  
Early Childhood Education (B.S.) College of Education  
Elementary Education (B.S.) College of Education  
Exceptional Student Education (B.S.) College of Education  
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary 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 Science Education (B.S.) College of Education  
Social Sciences (B.S.) College of Sciences  
Sociology (B.A.) College of Sciences
Technical Education and Industry Training (B.S.) College of Education

Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Early Childhood Education
English - Writing
Exceptional Education
Health Services Administration
History
Interpersonal Communication
Legal Studies
Math
Organizational Communication
Political Science
Psychology
Religious Studies
Social Sciences - Interdisciplinary
Sociology

Graduate Degree Programs
Clinical Psychology (M.A.) College of Sciences
Criminal Justice (M.S.) College of Health and Public Affairs
Health Sciences: Health Services Administration (M.S.) College of Health and Public Affairs
Social Work (M.S.W.) College of Health and Public Affairs

UCF Leesburg
352-536-2113
(In partnership with Lake Sumter Community College)

Undergraduate Degree Programs
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (limited in scope, see an advisor for details)
Nursing (R.N. to B.S.N.) College of Nursing

Undergraduate Minors
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Ocala
352-854-2322, ext. 1818
(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 and Supervision and Administration
Elementary Education (B.S.) College of Education (Cohort)
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (limited in scope, see an advisor for details)
Nursing (R.N. to B.S.N.) College of Nursing
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

Undergraduate Minors
Business (for non-business majors)
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Osceola
407-856-6585
(In partnership with Valencia State College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Information Technology, and Supervision and Administration

Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (limited in scope, see an advisor for details)
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

Undergraduate Minors
Business (for non-business majors)
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Palm Bay
321-433-7995
(In partnership with Brevard Community College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Early Childhood Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Interpersonal/Organizational Communication (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

Undergraduate Minors
Business (for non-business majors)
Criminal Justice
Early Childhood Education
English - Writing
Health Services Administration
History
Legal Studies
Organizational Communication
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Sanford/Lake Mary
407-328-2471
(In partnership with Seminole State College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Criminal Justice (B.A., B.S.) College of Health & Public Affairs
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Interpersonal Communication (B.A.) College of Sciences
Legal Studies
Organizational Communication
Psychology
Social Sciences - Interdisciplinary
Sociology

Undergraduate Minors
Business (For non-business majors only)
Criminal Justice
English - Writing
Health Services Administration
History
Interpersonal Communication
Legal Studies
Organizational Communication
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology
UCF South Lake  
352-536-2113  
(In partnership with Lake Sumter Community College)  
Undergraduate Degree Programs  
Applied Science (B.A.S.) Office of Undergraduate Studies  
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Information Technology, and Supervision and Administration  
Business Administration (B.A.) College of Business Administration  
Early Childhood Education (B.S.) College of Education  
Elementary Education (B.S.) College of Education  
Interdisciplinary Studies (B.A.) Office of Interdisciplinary Studies  
Psychology (B.S.) College of Sciences  
Sports and Fitness (B.S.) College of Education  
Social Science Education (B.S.) College of Education  

Undergraduate Minors  
Business (For non-business majors only)  
Criminal Justice  
Early Childhood Education  
English - Writing  
Health Services Administration  
History  
Legal Studies  
Political Science  
Psychology  
Social Sciences - Interdisciplinary  
Sociology  

UCF South Orlando  
407-856-6585  
7300 Lake Ellenor Drive, Orlando, FL 32809  
This location provides junior and senior level course work contributing to undergraduate degrees. Please check the schedule for course offerings.  

UCF Valencia West  
407-582-5500  
(In partnership with Valencia State College)  
Undergraduate Degree Programs  
Applied Science (B.A.S.) Office of Undergraduate Studies  
Tracks: Criminal Justice, Health Services Administration, Information Technology, and Supervision and Administration  
Architecture (B.D.) College of Arts and Humanities  
Business Administration (B.A.) College of Business Administration  
Electrical Engineering (3rd/4th year) (B.S.E.E.) College of Engineering and Computer Science  
Elementary Education (B.S.) College of Education  
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (see an advisor)  
Nursing (R.N. to B.S.N.) College of Nursing  
Psychology (B.S.) College of Sciences  
Graduate Degree Programs  
Business Administration (Cohort, Professional M.B.A. track)  

Undergraduate Minors  
Business (for non-business majors)  
Criminal Justice  
English-Writing  
Health Services Administration  
History  
Legal Studies  
Political Science  
Psychology  
Social Sciences - Interdisciplinary  
Sociology  

Graduate Degree Programs  
Business Administration (Cohort, Professional M.B.A. track)  

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. Millician 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: Kevin Haran.  
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: William Fisher.  
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 to establish an endowed chair in nursing education. This is the first chair to be established at the Daytona Campus. It is designed to improve nursing education and ease the shortage of nurses. Chair: Angeline A. Bushy.  

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.  

The objectives of the Central Florida Research Park are in keeping with the legislative action that enabled its creation "to encourage and provide research, education and training in the field of economic development and entrepreneurship by 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.
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.

William P. Fisher Eminent Scholar Chair in Restaurant Management: Created in 1990 to support the teaching and research of an internationally recognized scholar in restaurant management. Chair: William Fisher.

Orange County Convention and Visitors Bureau endowed Chair: Created in 1996 to support the teaching and research of an internationally recognized scholar in convention management, hospitality and travel industry. 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.

Dr. Tony V. Roy 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. Kahl Endowed Chair in Oncology Nursing: Created in 2005 to support work with researchers and clinicians in helping to improve the lives of cancer survivors. Chair: 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.

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: TBA.

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. Phillips School of Real Estate. Chair: Geoffrey K. Turnham.

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 2010 to attract an endowed chair in the College of Nursing that supports simulation in nursing. 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.

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 is a neutral facilitator and will listen to concerns, help individuals explore options, offer suggestions and advice, and assist in the resolution of the concern. 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

Dean: TBA
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 Faculty Center for Teaching and 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
Associate Dean: TBA
MH 210; 407-823-2691
http://www.academicianservices.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.
The International Services Center (ISC), a unit of the College of Graduate Studies, 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, welcoming 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 including the 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 (407-823-5980) 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.

The Victim Services Unit, located at University Towers, Ste. 450, 12201 Research Parkway, Orlando 32826 (office 407-823-2425; 24/7 HOTLINE 407-823-1200) provides services for persons impacted by crime, violence or abuse or off the UCF campus. Services include 1) advocacy, support, and practical assistance; 2) options, information, and referrals; and 3) prevention awareness educational programming. Additional information can be viewed at http://www.victimservices.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
Associate Director for Public Services: Meg K. Scharf
LIB 512; 407-823-2564
Assistant Director for Systems and Technology: Selma K. Jaskowski
LIB 512; 407-823-5444
Associate Director for Collections and Technical Services: Mary Page
LIB 502H; 407-823-2575

University Libraries offers a variety of information resources and services. An extensive resource collection includes: 2.3 million volumes, 30,000 journal subscriptions, 3.1 million microforms and 50,000 media titles. The Libraries’ rapidly growing electronic resources include 363 databases, 593,000 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 320 computer workstations are available for public use. Forty wireless laptops can be checked out for use anywhere in the library building. Wireless technology enables patrons who have laptops with wireless cards 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 tables. Two-thirds of seating in the area offers a desktop PC or immediate access to power. Complementing the Knowledge Commons are rolling white boards, privacy panels, acoustical treatments, upgraded wireless network service and natural light throughout. Nearby, the Libraries’ multipurpose cybercafé named Infusion offers food and beverage items, 34 desktops, comfortable seating areas, closed caption television, and a browsing collection for leisure reading.

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; e-mail; telephone at 407-823-2562, or ILL-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/DDDS) assists students in obtaining materials not owned by the UCF Libraries. Most books, maps, and articles can be received within six business days. Photocopies and most images can be received within 24 business hours. Interlibrary borrowing requests or other materials 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 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, the 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 Building. The CMC provides representative K-12 curriculum materials for preview, 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, Kisimmee, Leesburg, and Metro West. The university partners with local community colleges to provide complete information services. Two examples of Web sites customized for Regional Campus needs are the Services for Distance Learners page <http://library.ucf.edu/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 library's collection available to UCF students at all regional and branch campus sites. For more information see the web site at <http://library.ucf.edu/BranchCampuses/Locations/default.asp>.

### Office of Instructional Resources

**Interim Director:** Donald Merritt  
CL1 203; 407-823-2571, Fax 407-823-2109  
http://www.oir.ucf.edu

The Office of Instructional Resources (OIR) supports the academic, research, and administrative goals of the University of Central Florida utilizing multimedia, interactive, and digital media resources. OIR provides creative, technical, consulting, and multimedia production services to faculty and university departments.

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 1 room 202, the FMC houses the most recent multimedia equipment faculty can call upon to create multimedia materials for their teaching and research needs. OIR staff can provide support on project for those faculty with larger media needs. The FMC also partners with the College of Graduate Studies to provide computer and media expertise for those students who are completing their ETD.

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

Although OIR installs and repairs classroom equipment, we do not schedule classroom spaces. If you need 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 a class's meeting space.

### Intergalactic Athletics

**Director:** Keith Tribble  
WD2; 407-823-2261  
http://www.UCFAthletics.com

Programs in Intergalactic Athletics are coordinated by coaches and staff of the UCF Athletics Department under the general supervision of the Director of Athletics, who reports to the president. The University of Central Florida is a member of the National Collegiate Athletic Association (NCAA), Division I, competes in all sports in Conference USA. Intergalactic athletics contests are governed by the rules of play published by NCAA and all established eligibility standards are observed. UCF's current intergalactic sports for men include baseball, basketball, golf, football, soccer, tennis. Women's sports include basketball, cross-country, golf, rowing, soccer, softball, outdoor and indoor track and field, tennis, and volleyball.

### 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 Fall 2004 full-time cohort is 63 percent. The retention rate for Summer-Fall full-time 2009 students is 86.6 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.

Nested 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](http://www.ucfarena.com) or [http://www.knightsplaza.com](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](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](http://www.shopucf.com) or call 407-882-0364.

### Parking and Transportation Services

**Director:** Kris Singh  
Visitor and Parking Center; 407-823-1371  
E-mail: Krishna.singh@mail.ucf.edu  
http://www.Parking.ucf.edu

Through the efforts of the Department of Parking and Transportation Services, UCF constituency has varied 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.
Artistic Director
in Partnership with UCF
Orlando Shakespeare Theater
passes, may be obtained by calling LYNX at 407-841-8240, or from Union. Further details, including rates and information on special
Visitors Information Center and the Information Kiosk at the Student
at 30 to 60 minute intervals. Route maps may be obtained at the UCF
where in the Greater Orlando area. The LYNX buses normally operate
College, and East campus. Commuters may connect to most any-
UCF also has an intra-campus shuttle service on the Black and Gold
refer to the webpage at http://www.orlandoshakes.org.
contact the box office at 407-447-1700. For internship information
1/2 hour before performances with student ID. To purchase tickets,
University of Central Florida/Campuses
UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 13 stops on campus. They 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 seven round-trip runs between 7:00 a.m. and 7:45 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the College of Medicine. It makes four round trips between 7:45 a.m. and 6:15 p.m. Monday through Friday.
These services are free 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, three LYNX bus routes, Links 13, 30, and 47, serve the UCF campus from Oviedo, Downtown Orlando, Valencia Community 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 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 Helsinger
812 E. Rollins St., Suite 100, Orlando FL 32803
E-mail: 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 Shakesperience” programs. Performances are presented in Margeson, Goldman and Mandell 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 Helsinger 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 dozens of active chapters and clubs, fun activities and events, and enlightening communication pieces.

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 free ice cream and pizza socials, Movie Knights, Oozefest, Homecoming, Family Weekend, networking with alumni, 15 percent off logo merchandise in the campus bookstores, restaurant discounts, free scans, leadership and scholarship opportunities and much more.

For more information about the UCF Alumni Association or to join 4EK stop by the FAIRWINDS Alumni Center (across from the UCF Arena); call 407-UCF-ALUM (823-2586); toll-free 800-330-ALUM (330-2586); connect anytime at http://www.ucfalumni.com; or find us on Facebook at http://www.facebook.com/ucfalumni.

UCF Foundation, Inc.
Associate Director of Donor Relations: Sean Helton
PVL 250; 407-882-1220
E-mail: donorrelations@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 your 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.
International Studies

**Director:** Angel Cardec
MH 150, 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 co-semester 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; Université 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.

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Experiential Learning (Office of), Undergraduate Studies

**Director:** Sheri Dressler
CSEL 300; 407-823-2667
E-mail: OEL@ucf.edu
http://www.explearning.ucf.edu

The Office of Experiential Learning (OEL), an academic department in Undergraduate Studies, promotes student engagement and provides advising, instruction and instructional support for experience-based learning courses at UCF. Its primary goal is to enable all students to include experiential learning in their academic programs and 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 experiences 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 support 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 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 web site.

- 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 (parallel) or full-time alternating terms (alternating), structured for learning with reflection, supervi-
Special Academic Programs and Research Institutes

Institutes and Centers for Research

Center for Economic Education
Director: Robert L. Pennington
BA2 303E; 407-823-2840
E-mail: 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), community colleges, 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 219-A, Orlando, FL 32819; 407-903-8010
Associate Director: Robertico Croes
9907 Universal Blvd., Suite 219-C, Orlando, FL 32819; 407-903-8028
E-mail: dpi@mail.ucf.edu
http://www.hospitality.ucf.edu/dick_pope.html

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 hotels, 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 at 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: Ron Michaels
Senior Associate Director: Jaime Patterson
407-235-3901
E-mail: 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 leading 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 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
- Customized corporate programs
- Conference services
- Public enrollment programs
- International seminars and exchange programs

The UCF Executive Development Center has a strong commitment to the business community. Both small and large organizations find the programs to be contemporary, challenging, and effective.
Special Academic Programs and Research Institutes

Florida-Canada Linkage Institute
Director: Angel Cardec
407-8-23-3647, Fax: 407-882-0240
E-mail: fcli@mail.ucf.edu

The Florida-Canada 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 Canadian students to study in Florida state universities and community colleges for the same tuition fees as Florida residents. The awards are limited to 25 FTE and are competitive.

Florida-Eastern Europe Linkage Institute
Director: Angel Cardec
407-8-23-3647, Fax: 407-882-0240
E-mail: 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 community colleges 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

The John Scott Dailey Florida Institute of Government is part of the College of Health and Public Affairs. We serve as a valuable resource for local government information and provide the public sector and non-profit 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 Fendley
1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000
E-mail: 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 Brevard Community College, FSEC has gained national and international respect for its programs on photovoltaics, solar thermal systems, energy-efficient buildings, advanced cooling technolo-gies, 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: Melissa McGrath
Florida Space Institute, Mail Stop:FSI, Kennedy Space Center, FL 32899; 321-452-9834, Fax: 321-452-4842
E-mail: jaydeep.mukhenjee@ucf.edu
http://fsi.ucf.edu

The Florida Space Institute provides unique, practice-based educational opportunities, combined with resources to design, build, and test small satellites, instruments, and payloads. Using these resources FSI supports member schools and other educational and commercial customers, providing opportunities for student involvement in real-world space-related programs. FSI is a State of Florida Institute headquartered at UCF, but has 10 member schools statewide. FSI is located both at the Space Center and on the UCF campus. FSI’s programs are embedded within the existing space environment of the Center, at both the NASA/Kennedy Space Center and the Cape Canaveral Air Force Station I. Typical research areas include small satellite innovations, broadband optical communications, propulsion, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

In addition to traditional classrooms, FSI has complete laboratories for supporting research projects, a satellite ground station, and a launch site for launching sub-orbital rockets to space. Additionally, we utilize the Space Center as a laboratory to perform field experiments. This combination of capabilities provides students with an unequaled 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, 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-882-1300
E-mail: 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 portable and effective human-centered simulation capabilities and training systems. 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, develop and implement new human activity, improve human-agent interaction, and educate the next generation of scientists and professionals. In April 1985 a State of Florida resolution recognized the institute as part of a Center of Excellence for Simulation and Training.

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 (PEO-STRI); 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 the corridor that stretches 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 PhD 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. In partnership with Embry-Riddle Aeronautical University World-wide Campus, UCF and IST offer the Modeling & Simulation Professional Science Master’s degree, a two-year course of study providing a combination of technical and business courses.

The institute annually employs more than 80 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, work experience at IST becomes 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 programs to continue their advanced education and hone their research skills.

The institute includes in its efforts the 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*

CC2 206; 407-823-5528

E-mail: nickersn@mail.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/](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 consulting clients.

**Oak Ridge Associated Universities (ORAU)**

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

ORAU Corporate Secretary: Monnie E. Champion

865-579-3306

[http://www.orau.org](http://www.orau.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.orau.org](http://see.orau.org), or by calling either of the contacts 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 Visiting Industrial Scholars Program, consortium research funding initiatives, faculty research and support programs as well as services to chief research officers.

**Small Business Development Center (SBDC)**

*Regional Director: Eunice Choi*

Disney Entrepreneur Center, 315 E. Robinson St., Suite 100, Orlando FL 32801; 407-420-4850

E-mail: echoi@bus.ucf.edu

[http://www.bus.ucf.edu/sbdc](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 six Sub-Centers located at Daytona State College, Brevard Community College, Seminole State College, Kissimmee Chamber of Commerce, Leesburg Incubator, Lake Sumter Community College-Clermont. Assistance is provided through workshops and individual counseling in the following areas:

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

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Xchange, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of PTAC and SBRN.
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
E-mail: lindas@mail.ucf.edu
http://www.eds.ucf.edu

The mission of the Enterprise Decision Support (EDS) department 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.

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.
Student Financial Assistance

Executive Director: Mary H. McKinney
MH 120; 407-823-2827
http://finaid.ucf.edu

The mission 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 e-mail 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 Outreach Programs

Director: Rhonda 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 collegial experiences to enhance their preparation for post-secondary study, through the efforts of two programs.

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

2. The UCF Achievers Program, 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 participating students in grades 6-12.

Television Services – UCF TV

Assistant Vice President: Grant J. Heston
Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5988
http://www.ucf.tv

UCF TV showcases the university to the world through innovative original content and strategic programming/production partnerships. UCF TV expands and enhances the UCF brand and reputation through strategic storytelling projects that are broadcast over the air, on cable and online. UCF 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
E-mail: 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 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 7 p.m., Tuesday/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://universitymarketing.ucf.edu

UCF Marketing helps UCF clients reach their goals. UCF Marketing works alongside colleges and university-wide units to build important, brand-building marketing collateral. UCF Marketing also increases the university’s visibility and brand by distributing key UCF messages across multiple platforms to ensure the UCF story is told in a professional, engaging and relevant way to targeted audiences.
Undergraduate Admissions

Associate Vice President: Gordon D. Chavis, Jr.
Progress Energy University Welcome Center; 407-823-3000
E-mail: admission@ucf.edu
http://www.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 SUS 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 community college 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://www.admissions.ucf.edu. Group tours of up to 80 or special requests may be accommodated and can be requested by visiting our website.

Meetings with admissions representatives to discuss particular concerns about admission to the University are available. 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://www.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. Questions concerning admission requirements and applications can be forwarded to admission@ucf.edu.

Applications for admission can be submitted up to several months prior to the start of the term desired. The priority 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](http://www.housing.ucf.edu). Applicants can apply for housing once they are offered admission to the University. Requests for housing are subsequently reviewed by date of the receipt of the housing application. The University encourages applications from qualified persons of both sexes, all ages, and from all cultural, religious, and ethnic groups. The University does not discriminate on the basis of disability for admission.

Applicants should understand that this Undergraduate Catalog outlines minimum requirements to be considered for admission and that admission to the University is selective. 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. Any student who is suspended, expelled, or otherwise non-degree seeking 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.

**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://www.admissions.ucf.edu](http://www.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 the 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](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 university)**

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 apply to one of many Regional Campus sites. Please refer to the application.

**Students applying as transient from a Florida public university should follow the procedure for SUS Transient located online at [http://www.registrar.ucf.edu/forms/Transient_Sus/](http://www.registrar.ucf.edu/forms/Transient_Sus/).

***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/](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 Department of Education minimum admission requirements is encouraged to submit an application. Meeting these minimum requirements does not guarantee admission. The University will do everything possible to admit all qualified applicants who apply by the priority deadline date. If the number of qualified applicants exceeds the number the University is permitted to enroll, admission will be on a selective basis. 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 international equivalent) or a General Equivalency Diploma (GED).

**Entrance Examination Scores**

All 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 must 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**

- 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 Asn. of School Administrators, or other groups, and courses recommended by the Articulation Committee and approved by the Department of Education 2

**Total Units** 18
Undergraduate Admissions

Applicant Eligibility
All applicants must meet the following Department of Education (DOE) minimum eligibility index standards to be considered for Admission:

If the High School GPA is: Minimum test scores must be:

HS GPA | SAT or ACT
--- | ---
2.0 | 1680 or 25
2.1 | 1620 or 24
2.2 | 1620 or 24
2.3 | 1560 or 23
2.4 | 1510 or 22
2.5 | 1450 or 21
2.6 | 1450 or 21
2.7 | 1450 or 21
2.8 | 1450 or 21
2.9 | 1390 or 20
3.0 | * *

*No minimum score required.

Each State university reserves the right under DOE rule (6C6.002) to establish admission criteria that exceed DOE 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. 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://www.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 effective Fall 2001, but 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 community college or Florida public state college. Applicants must have a current minimum GPA of 2.0, and must have a cumulative 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 Counseling Manual” available in Florida public community college counseling offices. The manual provides the recommended community college 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 public community colleges, Florida public state colleges, and Florida state universities will be governed by the Articulation Agreement between the state universities and public community colleges of Florida, as approved by the State Department of Education. The admission criteria for those students admitted under this alternative include:

- At least 60 credit hours of academic work exclusive of occupational courses and basic required physical education courses;
- An approved general education program of at least 36 credit hours;
- A GPA of at least 2.0 on a 4.0 system for all college-level academic courses attempted. (Only the final grade received in courses repeated by the student shall be used in computing the average.);
- One year of college instruction in a single foreign language. (This requirement applies to those students without the required two units of foreign language in high school.) Students who receive an Associate in Arts degree from a Florida public community college or university prior to September 1, 1989, but who have not met the foreign language requirement may be admitted to the University on a provisional basis.

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 requirements prior to graduation. Florida Community College Associate in Arts graduates are guaranteed the following rights under the Statewide Articulation Agreement (State Board of Education Rule 6A-10.024):

1. Admission to one of the eleven state universities, except to "limited access" programs (programs that have additional admission requirements); and
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree; and
3. Transfer of equivalent courses under the statewide Course Numbering System; and
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://www.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 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.

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 university, please refer to the “SUS Transient Students” section of this Undergraduate Catalog. 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 degree, must apply to the Office of Undergraduate Admissions as a non-degree seeking student. Non-degree seeking applicants must follow the same application procedures 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 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/graduate_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://www.admissions.ucf.edu. Because of an extended 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.

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.

The following items will be needed in order to review an application for admission:
- Submit the completed UCF applications admission 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, some academic programs require students to perform above certain minimums for admission. Applicants should check with the program that they are interested in for score requirements.

Applicants must file a “Certification of Finances” form and supporting financial documents indicating financial support to cover educational and other expenses for the first year of study through the Office of International Services. This form and other required documents 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
http://www.jsilny.com

World Education Services
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 407-823-3707 or go to their website noted above.

Non-Academic Admission Clearances
Florida Department of Education Rule 6C-6.001(2) authorizes universities to refuse admission 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 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 community college or Florida public state college. Credit is not awarded based on job descriptions, life experience, or course work that is non-academic.

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 public community college, state college or university may satisfy the General Education Program requirements of UCF by completing the general education program prescribed in the appropriate UCF catalog. 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.
Students should complete the Free Application for Federal Student Aid (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 Stafford Loan, and Federal PLUS Loan;
- Students should not wait to be admitted to UCF before applying for financial aid;
- Federal Pell Grants and Federal 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 and on myUCF.
- Messages from the federal processor should be reviewed thoroughly;
- Review all correspondence, follow instructions on the Student Aid Report, 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;
- 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;
Student Financial Assistance

- 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;
- 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 Interview and Master Promissory Note (MPN) for a Federal Stafford Loan at UCF;
- Students must be a U.S. citizen or an eligible non-citizen, (e.g. resident alien). Eligible non-citizens include I-151, I-551, and I-888 cardholders 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;
- Make a copy of tax return forms before submission to IRS;
- 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 E-mail account and check it regularly to avoid missing important and critical information from Student Financial Assistance and the university;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered 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;
- 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 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.

<table>
<thead>
<tr>
<th>Estimated Cost of Attendance for 2011-2012</th>
<th>Florida Residents</th>
<th>Non-Florida Residents</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Undergraduate Students</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall/Spring based on 14 hours per term</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Living Arrangement</td>
<td>On/Off Campus</td>
<td>On/Off Campus</td>
</tr>
<tr>
<td></td>
<td>Parent/Relative</td>
<td>Parent/Relative</td>
</tr>
<tr>
<td><strong>Tuition and Fees</strong></td>
<td>$4,518</td>
<td>$19,832</td>
</tr>
<tr>
<td>Books</td>
<td>924</td>
<td>924</td>
</tr>
<tr>
<td>Room &amp; Board</td>
<td>8,574</td>
<td>8,574</td>
</tr>
<tr>
<td>Transportation</td>
<td>1,800</td>
<td>1,800</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>2,276</td>
<td>2,276</td>
</tr>
<tr>
<td><strong>Total Costs</strong></td>
<td><strong>$18,092</strong></td>
<td><strong>$33,406</strong></td>
</tr>
</tbody>
</table>

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 e-mail award notifications are sent to continuing students. Initial awards may be amended due to factors such as contingent approval 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 deferral of tuition and fee payments. Deferrals 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 deferral 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, deferrals 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 Add/Drop in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferral may keep the classes active even if they are never attended.
Student Financial Assistance

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 Add/Drop, 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 Accounts, 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 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.

To meet the standards adopted by the University of Central Florida, a student must:
- Complete a minimum of 70% of the attempted hours taken during the course of the year. Compliance of this requirement is checked at the end of each spring term. If students fail to meet this requirement or were not enrolled during the last monitoring period (fall/spring), a review of total hours taken at UCF will occur to determine if a 70% completion rate was attained for all attempted UCF course work. If students fail to pass both of these reviews, they will be placed on Satisfactory Academic Progress cancellation status.
- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of UCF attempted hours, based on their academic level at the time of admission to UCF (see chart below).

Classification | Maximum UCF Hours Allowed For Completing Degree
--- | ---
**Undergraduate**
All Freshman | Undergraduate
180 Attempted UCF Hours
Transfer Sophomores | 135 Attempted UCF Hours
Transfer Juniors | 90 Attempted UCF Hours
Transfer Seniors | 45 Attempted UCF Hours
**Second Degree**
60 Attempted Hours
**Masters**
70 Attempted Hours
**Specialist**
100 Attempted Hours (Including all Graduate Hours)
Degree-Seeking
**Doctoral**
120 Attempted Hours (Including all Graduate 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, he/she has brought up the percentage to a minimum of 70%, the student may appeal to the committee for reinstatement, at that time.

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; and,
- 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 e-mail communication or the student may view the updated status on myUCF, under View Financial Aid Status.

Students reinstated on financial aid probation will be required to have an academic plan that must be monitored.

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. 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 a Veteran of 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

Dual 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. Dual enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. All of the following documents must be submitted to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:

1. Dual Enrollment/Transient Form;
2. Advisor Certification Form with all required signatures;
3. A copy of the fee invoice and class schedule from other institution confirming that the classes and hours enrolled match the Transient Student Form; and,
4. A completed Consortium Agreement Form signed by the financial aid office of the transient school.

Dual 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 ensure 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 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 might have to repay a portion of that assistance. Students who received Federal 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.
### General Information

Student Accounts 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 Accounts Services office is responsible for:

- **Tuition and Fee Assessment/Refunds** (Student Accounts Services, MH 109)
- **Processing Payments**
- **Overdue payment and institutional loans collection (Loans and Collections)**

### Schedule of Fees

**Note:** 2011-2012 tuition and fees had not been established at the time of this publication. Rates for the 2011-2012 academic year will be available in early July 2011 at [http://www.iroffice.ucf.edu/character/current_tuition.html](http://www.iroffice.ucf.edu/character/current_tuition.html).

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.

#### Fee Invoice

A printed Fee Invoice confirms fees and course registration. Fee Invoices are available 24/7 on the web at [http://www.my.ucf.edu](http://www.my.ucf.edu), kiosks, and from the student’s college advising offices. Students must obtain a current Fee Invoice prior to making payment at one of the payment locations. Fee Invoices are not mailed.

Generate and print an initial Fee Invoice after initial registration of courses. Courses that are added or dropped after initial registration of courses require that a new Fee Invoice be generated and printed; this must be compared to initial invoice to ensure that the fees are adjusted.

#### Fee Payment Deadlines

All University tuition and fees must be paid by the published dates. Tuition and fees not paid 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.

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### 2010-2011 Fee Schedule*

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fees Per Credit Hour</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>Graduate</td>
<td>Undergraduate</td>
</tr>
<tr>
<td>(0000-4999)</td>
<td>(5000-7999)</td>
<td>(0000-4999)</td>
</tr>
<tr>
<td><strong>Tuition</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Florida Resident</td>
<td>$95.67</td>
<td>$95.67</td>
</tr>
<tr>
<td>Non-Florida Resident</td>
<td>$15.86</td>
<td>$15.86</td>
</tr>
<tr>
<td><strong>Differential Tuition</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Florida Resident</td>
<td>$15.86</td>
<td>$15.86</td>
</tr>
<tr>
<td>Non-Florida Resident</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td><strong>Out-of-State</strong></td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td><strong>Building Fee</strong></td>
<td>$2.32</td>
<td>$2.32</td>
</tr>
<tr>
<td><strong>Capital Improvement Fee</strong></td>
<td>$2.44</td>
<td>$2.44</td>
</tr>
<tr>
<td><strong>Financial Aid Fee</strong></td>
<td>$4.78</td>
<td>$4.78</td>
</tr>
<tr>
<td><strong>Non-Resident Financial Aid Fee</strong></td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td><strong>Activity and Service Fee</strong></td>
<td>$10.79</td>
<td>$10.79</td>
</tr>
<tr>
<td><strong>Athletic Fee</strong></td>
<td>$12.98</td>
<td>$12.98</td>
</tr>
<tr>
<td><strong>Health Fee</strong> (per hour)</td>
<td>$9.52</td>
<td>$9.52</td>
</tr>
<tr>
<td><strong>Transportation Access Fee</strong></td>
<td>$8.19</td>
<td>$8.19</td>
</tr>
<tr>
<td><strong>Technology Fee</strong></td>
<td>$4.78</td>
<td>$4.78</td>
</tr>
<tr>
<td><strong>Total Per Hour Fees</strong></td>
<td><strong>$167.35</strong></td>
<td><strong>$328.44</strong></td>
</tr>
</tbody>
</table>

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### 2010-2011 Repeat Course Schedule*

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fees Per Credit Hour</strong></td>
<td></td>
<td></td>
</tr>
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<td>Graduate</td>
<td>Undergraduate</td>
</tr>
<tr>
<td>(0000-4999)</td>
<td>(5000-7999)</td>
<td>(0000-4999)</td>
</tr>
<tr>
<td><strong>Tuition</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Florida Resident</td>
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<tr>
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<td>$15.86</td>
</tr>
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<td><strong>Differential Tuition</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Florida Resident</td>
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<td>$15.86</td>
</tr>
<tr>
<td>Non-Florida Resident</td>
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<td>$0.00</td>
</tr>
<tr>
<td><strong>Out-of-State</strong></td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td><strong>Building Fee</strong></td>
<td>$2.32</td>
<td>$2.32</td>
</tr>
<tr>
<td><strong>Capital Improvement Fee</strong></td>
<td>$2.44</td>
<td>$2.44</td>
</tr>
<tr>
<td><strong>Financial Aid Fee</strong></td>
<td>$4.78</td>
<td>$4.78</td>
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<tr>
<td><strong>Non-Resident Financial Aid Fee</strong></td>
<td>$0.00</td>
<td>$0.00</td>
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<tr>
<td><strong>Health Fee</strong> (per hour)</td>
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<tr>
<td><strong>Transportation Access Fee</strong></td>
<td>$8.19</td>
<td>$8.19</td>
</tr>
<tr>
<td><strong>Technology Fee</strong></td>
<td>$4.78</td>
<td>$4.78</td>
</tr>
<tr>
<td><strong>Repeat Course Fee</strong></td>
<td>$163.38</td>
<td>$163.38</td>
</tr>
<tr>
<td><strong>Total Per Hour Fees</strong></td>
<td><strong>$350.73</strong></td>
<td><strong>$846.71</strong></td>
</tr>
</tbody>
</table>

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### Other Fees: Resident and Non-resident*

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Distance Learning Course Fee (per hour)</strong></td>
<td>$18.00</td>
<td></td>
</tr>
<tr>
<td><strong>UCF Campus Card Fee (per academic year)</strong></td>
<td>$10.00</td>
<td></td>
</tr>
<tr>
<td><strong>Campus (ID) Card Replacement Fee</strong></td>
<td>$15.00</td>
<td></td>
</tr>
<tr>
<td><strong>Material and Supply Fee (per term; approved courses only) – varies per course</strong></td>
<td>$5.00-$45.00</td>
<td></td>
</tr>
<tr>
<td><strong>International Student Service Fee (per term)</strong></td>
<td>$50.00</td>
<td></td>
</tr>
<tr>
<td><strong>Repeat Course Fee (per hour)</strong></td>
<td>$163.38</td>
<td></td>
</tr>
<tr>
<td><strong>Equipment Fee (per term, for use of equipment)</strong></td>
<td>up to: $90.00**</td>
<td></td>
</tr>
</tbody>
</table>

**These fees are subject to change by action of the Board of Trustees.**

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### 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.

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**Note:** 2011-2012 tuition and fees were not available at the time of this publication. Rates for the 2011-2012 academic year will be available in early July 2011.
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.

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. Currently students can pay using a check or a credit card in this system. Payments cannot be transacted by telephone.

Acceptable forms of payment:
- Checks
- Credit Cards
- E-Pay - https://my.ucf.edu – E-Check or Credit Card
  - A nonrefundable $10.00 convenience fee will apply per transac-
- Payments made at any time on day of the published fee pay-
- 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 Finance section. You will find a section for
  - Student Accounts.
  - Click on the link for the Fee Invoice. Select the current term (i.e. Sum 2011, Fall 2011, or Spring 2012). The Fee Invoice will pro-
  - Write down the Amount Due as you will need that amount once
  - Scroll down to the bottom of the page and click the link to Due
  - Click on Continue and then follow the Payment Gateway

Mail payments: (Please do not send cash)
- Include student’s name and PID# on checks or money orders
- Address payments to: University of Central Florida
  - Student Accounts Services
  - P.O. Box 160115
  - Orlando, FL 32816-0115

Payment Drop – 24-Hour Depository at main Campus
Payment Locations (Call respective campus for office hours and options):
- Main Campus - provides various payment stations on the campus for on-line payments – (407) 823-2433; 24-Hour night depository – Millican Hall at Reflection Pond Entrance (No Cash)
- Regional Campuses: The University of Central Florida now requires all tuition and fees to be paid electronically. While there are no longer direct cashing services available on the Regional Campuses, stu-
- Students can pay all tuition and fees electronically, either by credit card or check, in the student services area at each major Regional Campus location. Additionally, payments may be mailed to: UCF Cashiers Office, P.O. Box 160115, Orlando, FL 32816-0115.

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 the fee payment deadline as described under Payment Procedures.

Financial Aid – see Student Financial Assistance for rules and proce-
- All fees not deferred by financial aid are due by the fee payment deadline.

Florida Prepaid College Plan
For any enrolled student who has a Florida Prepaid College Plan, the University will automatically defer only the portion of the tuition cov-
- For on-line payments – (407) 823-2433; 24-Hour night depository – Millican Hall at Reflection Pond Entrance (No Cash)
- For any enrolled student who has a Florida Prepaid College Plan, the University will automatically defer only the portion of the tuition cov-
- The standard plan will cover $105.21 per credit hour (graduate or undergraduate level) for the 2010-2011 academic year. The plan does not cover the local fees of $41.48 per credit hour, material/supply fees, equipment fees, Distance Learning course fee, Technology fee, UCF ID Service and Access fee, Florida Prepaid with the local fee plan, which is indicated on the Florida Prepaid Tuition Plan card, will cover an additional $33.93 per credit hour. For further details on the Florida Prepaid Tuition Plan please visit our website:

Note: The 2011-2012 tuition rates had not been established at the time of publication.

Tuition Waivers
State of Florida Employees Tuition Waiver
Full-time state employees may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. State Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar.
  - Should the employees register for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will become invalid and the employee will be liable for all applicable fees. The tuition waiver cannot be used for courses that have increased costs. These courses include, but are not limited to, continuing education courses, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, practicum courses, clinical courses, third-attempt repeat courses and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any state employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed tuition waiver form to the UCF Student Accounts Services by fax or as a scanned attachment in an e-mail.
  - http://www.registrar.ucf.edu/calendar/academic/ each term for the fee payment deadlines. Employees may obtain the “State Employee Tuition Waiver” form, policy and instructions from the Registrar’s Office website at http://www.registrar.ucf.edu/State_UCF.html. Students may list alternate courses on their waiver form to sub-
  - Students are encour-

UCF Employees Tuition Waiver
All full-time general faculty, administrative and professional (A&P), and staff (formerly called USPS) employees of the University of Central Florida who are employed in an established position on the date fees are due and who meet academic requirements, including those employees on sabbatical, professional development, grants-in-aid, and educational leave, may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. UCF Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar.
  - Should the UCF employees register for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will become invalid and the UCF employee will be liable for all appli-
  - The tuition waiver cannot be used for courses that have increased costs. These courses include, but are not limited to, continuing education courses, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, practicum courses, clinical courses, third-attempt repeat courses and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any UCF employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed Tuition Waiver Form to the UCF Student Accounts Services by fax or as a scanned attachment in an e-mail.

Employee Tuition Waiver Program form, policy and instructions from the
  - http://www.registrar.ucf.edu/forms/employee_waiver/

Students are encour-


Tuition and Fees for Senior Citizens
Persons 60 years of age or older who meet Florida residency require-
ments may register to audit classes on a space-available basis without
payment of tuition and application fees. Registration is on an
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 estab-
lish 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.

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 are available upon an adminis-
trative withdrawal from one or more 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.

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
of their choice. 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 Accounts 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 registra-
tion, diploma, transcripts and readmission to the University. The
services of a professional collection agency and recourse to the courts
could also be invoked if deemed necessary. All costs of collection,
including attorney’s fees, are borne by 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. Payment guidelines for off-campus reg-
istration are contained on the off-campus registration form.

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

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.

Fee Appeals
Students who desire to appeal a Late Registration Fee and/or a
Late Payment Fee may make their appeal to the Fee Appeals
Committee by initiating a student petition (Form 41-561). This form
can be obtained online at http://fa.ucf.edu. Click Forms, Student
Services, and Fee Appeals Petition. Students must submit their
petitions to Student Accounts Services and may appear before the
Committee (not mandatory). Send forms and back-up documentation
as a scanned attachment in an e-mail or faxed to Student Accounts
Services. Address faxed petitions to: Attn: Fee Appeals Coordinator,
407-823-6476.

Holds
Holds due to unpaid tuition and fees that prevent registration and the
receipt of transcripts will automatically be removed overnight once
fees are paid. Holds paid on-line may take up to two (2) business
days to clear.

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
(formerly 240.1201) and Board of Regents chapter 6C-7.005. The
offices of Undergraduate Admissions and Graduate Studies deter-
mine residency for all first-time-on-campus students; thereafter, the
Registrar’s Office will review student requests for changes in resi-
dency 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 resi-
dence in Florida must be a bona fide domicile rather than for the
purpose of maintaining a mere temporary residence or abode inciden-
tal 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 last day
of registration 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
data that the Clerk of the Court notes that the decla-
      ration 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., rent receipts,
      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 docu-
ments 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);
   f. Verification of permanent employment in Florida by
the employer, employment records, or other employ-
Student Tuition and Fees

ment-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;

Be a person who was enrolled as a Florida resident for

Be married to a person who has been a legal resident of

Military Personnel (and spouse/dependent children) not

n.  Proof of graduation from a high school located in Florida;

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;

Proof of graduation from a high school located in Florida;

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

Or

Be a member of the Armed Forces on active duty stationed in Florida, or a spouse or dependent,

Or

Be a member of the full-time instructional or administrative staff of a state public school, community college, or university in Florida, a spouse or dependent, and active drilling members of the Florida National Guard,

Or

Military Personnel (and spouse/dependent children) not stationed in Florida whose home of record or state of legal residence certificate is Florida,

Be a member of the Armed Forces on active duty stationed in Florida, or a spouse or dependent,

Or

Be a full-time Latin American or Caribbean student who receives scholarships from the federal or state government,

Or

Be a member of the full-time instructional or administrative staff of a state public school, community college, or university in Florida, a spouse or dependent, and active drilling members of the Florida National Guard,

Or

Military Personnel (and spouse/dependent children) not stationed in Florida whose home of record or state of legal residence certificate is Florida,

Be a graduate student of the Southern Regional Education Board's Academic Common Market attending Florida's
tuition purposes at a Florida institution of higher education,

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 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 all documents that support the student's Florida residency claim. Residency reclassification requests are subject to Florida Statute 1009.21, Florida State Board of Education Administrative Code 6A-10.044, and State Board of Education rule 6C-7.005. In addition, University Policy requires residency requesting documentation 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 documentation and available information to 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 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.

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.

At the time of reclassification, 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. Residency reclassification will not be applied retroactively to previous terms.

Residency Appeals Committee through the Registrar's Office.
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: TBA
WD I; 407-823-5896
E-mail: Vanessa.Hernandez@ucf.edu
http://www.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, academic, NCAA Division I academic-athletic eligibility, and career planning goals. 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: Joseph Sciarino
SU 215; 407-823-5548
E-mail: asf@ucf.edu
http://www.asf.ucf.edu

The Activity & Service Fee Business Office services the accounting, personnel, and/or 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 and provide a variety of equipment for check-out to any student free of charge.

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 14 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.
Division of Student Development And Enrollment Services

Alcohol and Other Drug Education, Prevention, and Wellness
Director: Tom Hall
COUN; 407-823-0879/407-823-5841
http://www.aod.sdes.ucf.edu

Alcohol and Other Drug Education, Prevention, and Wellness offers comprehensive behavioral health to assist every UCF student in being a “Healthy Knight.” Alcohol and Other Drug Education, Prevention, and Wellness 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, healthy relationships, gambling, and internet addiction. A variety of services are provided, including education, prevention, alcohol and other drug assessment and evaluation, short term intervention, and referrals for treatment, along with HIV counseling, massage, and biofeedback.

Campus Faith & Ministries United
Director: Brad Crawford
SU 305; 407-823-5336
http://www.ucfministries.com

Campus Faiths & Ministries is a network of faith-based organizations dedicated to meeting the personal, religious and social needs of university students, faculty and staff. Each organization seeks to enrich lives by providing opportunities for growth through fellowship, educational programs, worship services, recreation, entertainment and the development of one’s faith. Each adheres to the principles of its own tradition, but all accept and support the work of other members of the campus network.

Career Services
Executive Director: Lynn Hansen
CSEL; 407-823-2361
http://www.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 specialists. 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, Job Postings and Resume Referrals)
- Graduate School Information

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

Counseling Center
Executive Director: Stacey Pearson
COUN; 407-823-2811
E-mail: counseling@ucf.edu
http://www.counseling.sdes.ucf.edu

The Counseling Center serves enrolled UCF students, who seek assistance with mental-health related concerns, and the broader campus community by offering a wide variety of programs in direct support of the university mission. The Center is composed of a 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 may explore and resolve issues of concern. The Center also provides advanced training and supervision for graduate students in counseling. The Center is open Monday through Friday 8-5 and Tuesday 8-7 during fall and spring semesters.

The Counseling Center offers:
- Short-Term Individual Counseling
- Group Counseling and Workshops
- Crisis Intervention and Walk-Ins
- Couples Counseling
- Outreach Presentations and Workshops
- Consultation to Faculty and Staff

For additional information, visit the Counseling Center website at http://www.counseling.sdes.ucf.edu.

Creative School for Children
Director: Rhonda Moore
CSC; 407-823-2726
E-mail: csc@ucf.edu
http://www.csc.sdes.ucf.edu

The Creative School for Children is an Educational Research Center for Child Development that provides an early experience educational program for children ages 2-5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC). 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 and spontaneous field trips and special family programs are part of the yearly schedule. The Creative School for Children also offers the Florida state Voluntary PreK (VPK) program for age eligible four year old children. Experiences in observation and training in academic areas also are made available to university students. Opportunities for educational research are available to university faculty, undergraduate and graduate students. The school educates 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.

First Year Advising and Exploration (FYAE)
Director: Stephen O’Connell
PH 116; 407-823-3789
E-mail: fy@ucf.edu
http://firstyear.sdes.ucf.edu

UCF recognizes that starting in a new learning environment can present many challenging life transitions for incoming freshmen 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 e-mail 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 the Pegasus Landing affiliated housing area. FYAE advisors have been designated for first year students in the EXCEL, Freshman LEARN living learning community, STEP, 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)
PH 116; 407-823-3789
http://aep.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)
Executive Director: Joe Ritchie
PH 218; 407-823-5105
E-mail: fye@ucf.edu
http://www.fye.sdes.ucf.edu

The First Year Experience Office combines orientation with extended first year transition programs including 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.
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 programs by visiting the First Year web site at http://www.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.

Fraternity and Sorority Life
Assistant Vice President, Student Development and Enrollment Services, and Director: Belinda Boston
SU 154 (Greek Council Office); 407-823-2072
http://www.greek.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 development of national fraternities and sororities by providing advising, services, and programs to ensure all members engage in high-quality undergraduate fraternal experiences that reinforce the organization's founding principles: scholarship, community service, campus involvement, personal check, or charged to the student's account.

Health Services (HS)
Director: J. Robert Wrag
HC 309; 407-823-2084
http://www.hs.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 quality, outpatient clinical care and health promotion services that promote, restore and maintain the optimal health of students by health care workers who welcome diversity and are committed to excellent, affordable, confidential and compassionate services that meet accreditation standards and enhance students' learning experience in matters of personal health and well-being.

Most office consultations and programs are provided without charge. However, Dental Center services, laboratory tests, x-rays, medications, allergy maintenance (co-pay), flu shots, immunizations and some procedures and supplies require additional but significantly reduced payments, which may be made with cash, credit card, personal check, or charged to the student's account.

The UCF Health Center is staffed by Board-certified physicians, advanced practice 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. Students at the Rosen College of Hospitality Management have the option of health care services at the Rosen Medical Clinic close to campus or at UCF HS on the Orlando campus. Medical conditions that require specialty care services are referred to specialists in the greater Orlando area according to the patient's preference.

The UCF HS Insurance office staff will assist students with filing claims with their medical insurance company. Currently, UCF HS physicians are contracted in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, and AvMed health insurance plans. This entities 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 either in or out-of-network benefits.

UCF endorses an optional health and accident insurance plan for students. Our current student health insurance plan is offered by United Health Care Student Resources and may be purchased by enrolling at (http://www.gallaherkestor.com/FloridaSystem). This voluntary plan is separate from the health fee students are required to pay each semester. However, when purchased, the insurance will cover most of the Health Services charges without a co-pay 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 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 Pharmacy and Knight Aide 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. 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://www.hs.ucf.edu (charges for services are the student's responsibility).

Housing and Residence Life
Executive Director: Christi Hartzler
HAB; 407-823-4663
http://www.housing.ucf.edu

The Department of Housing and Residence Life offers regularly enrolled single students paying registration fees for a minimum of nine credits hours housing on the Orlando main campus and the Rosen College of Hospitality Management campus. Orlando main campus housing is reserved for mostly incoming first-year students. A limited amount of space is available for upper-class students. Married and family student housing is not available. All classes of students are welcome at the Rosen College of Hospitality Management Student Apartments.

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 agreement.

Housing choices range from suite style residence halls to single bedrooms in apartments. Most first-year students who apply for academic year contracts in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, and AvMed health insurance plans. This entities 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 either in or out-of-network benefits.

Cho
Division of Student Development And Enrollment Services

More information on the different housing options, rates, floor plans, etc. is available online at [http://www.housing.ucf.edu](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](http://www.ucfdining.com).

**Multicultural Academic and Support Services (MASS)**

**Director:** Wayne Jackson  
**PH:** 407-823-2716  
[http://www.mass.sdes.ucf.edu](http://www.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 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)**

**Director:** Dana Juntunen  
**FC:** 407-823-4638  
[http://www.osc.sdes.ucf.edu](http://www.osc.sdes.ucf.edu)

Off-Campus Student Services and Student Neighborhood Relations assist students in their search for off-campus housing accommodations. The OCSS-SNR provides listings of off-campus apartments, and/or resources for students needing to find roommates, storage, sublease, transportation, and furniture rental information. OCSS-SNR also provides UCF students who live off campus with information regarding a variety of on-campus programs and services. OCSS-SNRR fosters a supportive environment for off-campus students by providing an advocacy for resolving problems, “on the spot” or through campus referrals, and exploring other available resources for students. Students are encouraged to utilize the services offered by the Off-Campus Student Services Office, and to become acquainted with the many benefits the campus has to offer.

The Student Neighborhood Relations program is designed to create a positive relationship between UCF Students living in surrounding neighborhoods and the permanent community residents.

**Office of Student Involvement (OSI)**

**Director:** Michael Preston  
**SU:** 407-823-6471  
E-mail: Michael.Preston@ucf.edu  

The mission of the Office of Student Involvement (OSI) is to provide quality programs, services, and leadership opportunities that enrich students’ academic endeavors. Students and staff collaborate to explore various paths that encourage personal growth, promote civic responsibility, embrace differences, and connect students to the campus and the community. In OSI, the journey is the destination.

Toward this end, the Office of Student Involvement staff members oversee the registration and management of over 400 registered student organizations (RSO’s), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Homecoming, Knightcast, Knights of the RoundTable (KoRT), Late Knights, Multicultural Student Center (MSC), Student Government Association (SGA), and Volunteer UCF (VUCF).

**Office of Student Rights and Responsibilities (OSRR)**

**Assistant Vice President:** Michael Preston  
**OSRR Services and Director:** Patricia A. MacKown  
**FC:** 407-823-6960  
[http://www.osrr.sdes.ucf.edu](http://www.osrr.sdes.ucf.edu)

By offering a wide range of services designed to assist as well as educate students in resolving their disputes, the Office of Student Rights and Responsibilities (OSRR) combines Student Legal Services, Dispute Resolution Services, and the Office of Student Conduct. OSRR provides a forum that contributes to the individual growth and development of the student’s knowledge of community responsibilities, professional and resolution skills, and university student conduct rules. Our resources are more effectively used by combining and referring within the judicial knowledge base that exists within these three services. OSRR also publishes the Student Handbook, the Golden Rule, which contains 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://www.goldenrule.sdes.ucf.edu](http://www.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.

**Dispute Resolution Services**

**Director:** Jennifer Wright  
**FC:** 407-823-3477  
[http://www.drs.sdes.ucf.edu](http://www.drs.sdes.ucf.edu)

Dispute Resolution Services enhances the university community by offering mediation training and services directed at resolving interpersonal disputes while promoting individual responsibility. Mediation is a private, voluntary, decision-making process in which one or more impartial persons (mediators) assist people, organizations, and communities in conflict to work toward a variety of goals. Mediation services are provided to UCF students, faculty, and staff at no charge. Dispute Resolution Services also offers educational workshops and outreach programs to foster understanding and promote harmony within the university community. The UCF community would also consider this office as a place of support, encouragement, and guidance in handling college level issues associated with academic integrity, ethics, civility, and the UCF Creed.

**Student Legal Services**

**Associate General Counsel:** Patricia Dullaghan  
**FC:** 407-823-2538  
[http://www.sls.sdes.ucf.edu](http://www.sls.sdes.ucf.edu)

Student Legal Services provides students with advice and consultation, including court representing 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, 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. Students in need of legal services should contact the Student Legal Services office. This service is by appointment only and no legal advice is given over the phone.

**PRIME STEM Student Support Services Program**

**Director:** Rebekah McCloud  
**PH:** 407-823-4165  
E-mail: rebekah.mccloud@ucf.edu  
[http://www.prime.sdes.ucf.edu](http://www.prime.sdes.ucf.edu)

The PRIME STEM Students 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, 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: Supplemental Instruction and 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://www.rwc.sdes.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.

RWC is comprised of six different programs: Athletic Training, Aquatics, Fitness, Intramural Sports, Outdoor Adventure and Sport Clubs. The Recreation and Wellness Center and the programs it offers is open to all students with a valid UCF ID. Memberships are available for non-students.

Regional Campuses Student Services
Assistant Vice President: A.J. Range
University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32826; 407-823-4547
E-mail: A.J.Range@ucf.edu

Student Services, UCF Daytona Campus
Director: Diana Weidman
386-506-4024
E-mail: erss@ucf.edu

Student Services, UCF Cocoa and UCF Palm Bay Campuses
Director: TBA
321-433-7950
E-mail: srss@ucf.edu

Student Services: UCF South Lake, UCF Leesburg and UCF Ocala Campuses
Director: Pamela Brady
352-536-2219;
E-mail: wrss@ucf.edu

Student Services: UCF Valencia West, UCF Valencia Osceola and UCF South Orlando Campuses
Coordinator: Carol Black
407-582-5487
E-mail: carol.black@ucf.edu

Student Services: UCF Sanford/Lake Mary Campus
Coordinator: Michelle VanBrunt
407-708-2805
E-mail: michelle.vanbrunt@ucf.edu

The UCF Regional Campuses Student Services offices at the Daytona, Cocoa/Palm Bay, South Lake, Ocala, Leesburg, Sanford/ Lake Mary, Valencia West, Valencia Osceola and South Orlando campuses 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.
The Registrar’s Office, with a commitment to quality service and leading edge technology, provides timely and accurate enrollment information, registration 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, readmissions, SUS transient students, residency reclassifications, student veteran services, and Commencements.

Rosen College of Hospitality Management Student Life
Assistant Director: Tiffany Greenis
9907 Universal Blvd., Suite 204-F, Orlando, FL 32819; 407-903-8150
Student’s campus life needs are met at the Rosen College of Hospitality Management campus through the Student Life office. Staffing and services provided through this office include: registered student organization support, on-campus student housing information, student activities programming guidance and support, and the Golden Rule interpretation.

Sophomore and Second Year Center (SSYC)
Director: Robert Snow
PH 215; 407-823-3375
E-mail: sophomore@ucf.edu
http://www.sophomore.sdes.ucf.edu

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

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, 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.

Student Academic Resource Center (SARC)
Director: Terry Exum
PH 113; 407-823-3370
E-mail: sarc@ucf.edu
http://www.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, academic advising, 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, 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, statistics, and biology, to name a few. In total, SARC provides individual and group tutoring for more than 25 courses.

Each semester, SARC also 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. Additionally, preparatory workshops are offered for the math portion of the General Knowledge exam.

SARC’s professional academic advisors provide support for students in the Pegasus Success Program and the College Achievement Program. A learning skills specialist is also available for students who need study skills advice or those who wish to enhance their educational experience.

Student Disability Services (SDS)
Director: Pamela Rea
FC 185; 407-823-2371
http://www.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), assistance with course registration, 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 intake interview or request further documentation. Students must be registered with SDS to be eligible to receive academic 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 (TTD calls only phone 407-823-2116).

Student Government Association (SGA)
Advisors: Michael Preston and Kerry Welch
SU 214; 407-823-2191
http://www.ucfgsa.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, Knights of the RoundTable, and 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.

Division of Student Development And Enrollment Services
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 span two weeks or two years. The focus is to provide a variety of programmatic opportunities 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 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 student 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 Union
Director: Suzanne Halpin
SU 312; 407-823-2117
http://www.ucfsu.com

The Student Union is the meeting place on 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 and Greens salad bar, Malagian Kosher Café, Smoothie King, Subway, Sbarro, Mrs. Field’s, Pretzel Time, Wackadoo’s Grub and Brew, Crepe Royale, Qdoba Mexican Grill, Burger King, Pollo Pollo, Asian Chao and Corner Cafe. Retail stores include Greek Unique, Knockout Convenience Store and Sushi, College Optical, and the UCF Computer Store. Other services located in the Union are the SGA Ticket Office, SGA Computer and Express IT Services, ATM, Express Lab Services, Bank of America and the UCF Credit Union as well as a self-service Postal Kiosk. Located at the Ferrell Commons is Brooklyn Pizza and the Knights Helping Knights Pantry. The Student Union also operates the All Knight Study Lounge located at the UCF arena. For information, call 407-823-0001.

Transfer and Transition Services
Director: Charlene A. Stinard
PH 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 community colleges: Brevard, Lake Sumter, Seminole, and Valencia Community Colleges;
- 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, community colleges or universities; and,
- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, community colleges, and other institutions.

University Testing Center (UTC)
Director: Rebecca Piety
PH 106; 407-823-5109
E-mail: utc@ucf.edu
http://www.testing.sdes.ucf.edu

The University Testing Center administers the Academic College Test - Residual (ACT); Accuplacer; Critical Thinking Test, Distance Learning/Correspondence Exams; Foreign Language Proficiency Exam (FLPE), Grammar Proficiency Exam (GPE); KIN 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)

Upward Bound Program
Director: Rebekah McCloud
PH 208; 407-823-5595
E-mail: rebekah.mccloud@ucf.edu
http://www.upwardbound.sdes.ucf.edu

The Upward Bound Program provides first-generation, low-income high school students with access to postsecondary education as full participants. The program is designed to enhance the academic and personal skills of students. It prepares them while in high school for college admission, retention, and graduation. This program is supplementary to the students’ regular high school curriculum, and assists students to overcome barriers by providing tutoring, mentoring, academic workshops, academic counseling, academic instruction, assistance with standardized testing, life skills workshops, financial literacy, cultural events, college visits, assistance with the college admissions and the financial aid process, and a six-week summer residential program.

Veterans Academic Resource Center (VARC)
Director: Paul Viau
Veterans Academic Resource Center, ARNA; 407-823-2707
E-mail: varc@ucf.edu
http://varc.sdes.ucf.edu

The Veterans Academic Resource Center (VARC) recognizes and supports student veterans as they the transition from military to student life. The VARC, a unit of the Registrar’s Office, is a collaboration among the offices of Career Services, the Counseling Center, Student Academic Services, Student Disabilities Services, and Transfer and Transition Services, and provides a
new 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. weekdays (until 5:30 p.m. on Mondays and Thursdays), and provides office space along with study, tutor and lounge areas for student veterans.

Veteran Services
Assistant University Registrar: James Middlekauff
Veterans Academic Resource Center, ARNA; 407-823-2707
E-mail: varc@mail.ucf.edu
http://www.va.ucf.edu

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.

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. 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.

Individuals placed on academic probation will continue to receive benefits as long as he or she earns a 2.0 or higher GPA each term. 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.
The following section presents information to help students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. from a Florida public community college or state university are guaranteed certain rights and privileges according to the statewide Articulation Agreement. Students transferring without an A.A. from a Florida public institution will want to pay particular attention to UCF’s general education program and how their transfer credits apply to their degree requirements.

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 advising for transfer students before and after they enroll at UCF
  - Pre-admission academic advising for students applying to UCF
  - Advising for students who are undeclared, undecided, or changing majors
  - Peer Mentors provide advising and transition assistance by telephone, e-mail, 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 Community College Counselor or Advisor Help Me?
It is important that you are kept informed of all requirements for transferring to UCF. Community college 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 Brevard Community College, Lake-Sumter Community 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 407-582-2741 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.

If you do not complete an A.A. from a Florida public institution, you must complete UCF’s general education requirements, which may be considerably different from your previous institution’s requirements. In addition, no grade forgiveness will be honored. All attempted credits will be averaged into your GPA for admission purposes. If you have met all the A.A. requirements except the CLAS, you should have “General Education Requirements Met” placed on your transcript.
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 If I Have Not Taken the CLAS?
Students may be admitted without completing the College Level Academic Skills requirement. However, without the CLAS completed, you are not awarded the A.A.; privileges provided by the A.A. are not granted, (e.g., grade forgiveness, Gordon Rule, and the completion of general education requirements).
You must satisfy the CLAS by the time you have completed 36 hours of upper-division course work, or you will be placed on hold, and unable to take any more upper-division classes until the requirement is met. UCF accepts the CLAS alternatives and waivers awarded by Florida public community colleges and universities.

Admission requirements have changed for students entering the College of Education. The General Knowledge Test (GKT) of the Florida Teacher Certification Examination (FTCE) may now be used as both an admission and graduation requirement for state-approved teacher preparation programs. The CLAS will continue to be an admission option for students, but does not satisfy graduation requirements. For additional information concerning the CLAS, contact the University Testing Center, 407-823-5109.

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. 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.

### Transfer Checklist

<table>
<thead>
<tr>
<th>Before Completing the A.A. or Articulated A.S.</th>
<th>Immunization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ met with a DirectConnect advisor</td>
<td><em>/</em><strong>/</strong>_ date Student Health Form submitted</td>
</tr>
<tr>
<td>Y___ N___ met with counselor or advisor for graduation check</td>
<td>Y___ N___ need immunizations</td>
</tr>
<tr>
<td>Y___ N___ completed application for graduation</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Application for Admission</th>
<th>Foreign Language Requirements (Admission)</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>/</em><strong>/</strong>_ date submitted</td>
<td>Y___ N___ 2 years/units earned in high school</td>
</tr>
<tr>
<td>Y___ N___ checked admission status at <a href="https://my.UCF.edu">https://my.UCF.edu</a></td>
<td>Y___ N___ 8-10 credits earned at the college level</td>
</tr>
<tr>
<td><em>/</em><strong>/</strong>_ date of acceptance</td>
<td>Y___ N___ credits to be taken at the university</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Transcripts (original transcript from all institutions attended)</th>
<th>Program (Major) Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ transcripts sent from all current and prior institutions</td>
<td>Y___ N___ selected a major</td>
</tr>
<tr>
<td>Y___ N___ date final transcript sent after term completed</td>
<td>Y___ N___ completed major prerequisites</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Financial Aid/Scholarship</th>
<th>Y___ N___ submitted limited access application</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>/</em><strong>/</strong>_ date financial aid application (FAFSA) sent</td>
<td>Y___ N___ met grade point average (GPA) requirements</td>
</tr>
<tr>
<td><em>/</em><strong>/</strong>_ date SCHOLARSHIP application sent</td>
<td>Y___ N___ met cumulative GPA for admission to program of study</td>
</tr>
<tr>
<td>Y___ N___ “to do” list checked on myUCF</td>
<td>Y___ N___ met cumulative GPA in courses taken for program of study</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Housing</th>
<th>Y___ N___ met grade requirements for designated courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ reviewed OCSS handbook: Survival Guide for Living off Campus</td>
<td>Y___ N___ met audition/portfolio/additional admission requirements</td>
</tr>
<tr>
<td><em>/</em><strong>/</strong>_ date application sent (include deposit when required)</td>
<td>Y___ N___ completed CLAS requirements</td>
</tr>
</tbody>
</table>

**Orientation:**

_/_/___ Orientation date at UCF
Can Transfer Students Participate in The Burnett Honors College?

Qualified students who transfer to UCF with an honors A.A. from a Florida public community college that has signed an articulation agreement with The Burnett Honors College will be admitted into University Honors with junior standing. Community college 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; 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.

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 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 deferrals, other waivers, and direct pay scholarships.

Transfer Tips: Office Visits for Transfer Advising

- Students are encouraged to contact Transfer and Transition Services 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 accepted to UCF who are undeclared majors or are undecided about their major should contact Transfer and Transition Services prior to Orientation for advisement.
- Undeclared students with 45+ credit hours are placed on advising hold.

Students should:
- Submit your application 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.
- Attend an advising orientation (Student Health Form). Registration is not allowed without the completion and approval of this form.
- Complete CLAS if possible; however, you can be admitted without it. Since the A.A. is not awarded without completion of CLAS, privileges provided by the A.A. are not granted (i.e., grade forgiveness, Gordon Rule, and the completion of general education requirements). Without completion of CLAS, but with all general education courses completed, you should request the following statement placed on your transcript: “General Education Requirements Met.” Without this statement, you must satisfy UCF’s general education requirements (including Gordon Rule courses).
- 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.
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 students’ 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;
   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, and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (PH 116)
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)
   c. Student Academic Resource Center (SARC) - for Participants in the College Achievement Program (CAP) and Pegasus Success Program (PH 113)
   d. Multicultural Academic and Support Services (MASS) - for all students in the SOAR program (PH 102)
   e. 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 (PH 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 of college 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 issues. CAHSA is located in Colbourn Hall (CHN) room 202 and advisors can be reached by phone at 407-823-3312 or via e-mail 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 E-Mail 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 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 e-mail 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 E-Mail 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 E-Mail account.
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
New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in 3000/4000 level 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 Academic Advising Center (ED 115 if their major is Elementary Education or Education Pending Academic advising sessions may be scheduled by calling 407-823-3723 or 407-823-5369; and,
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The academic advisor’s name and telephone number appear on the Degree Audit to assist students in making an advising appointment.

Continuing students will:
1. Set up an appointment with an academic advisor if accepted in a major or the Academic Advising Center, if in a “pending major,” to review academic progress and to develop an academic plan. Students are expected to review their plan of study each term with an advisor prior to registration;
2. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add period; and,
3. File an “Intent to Graduate” on-line 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 (ENGR 107) if Engineering Pending 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 439;
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 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. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering or computer science advisement hold. This plan must be submitted online to the CECS Academic Affairs Office each time a student uses the registration process; 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;
3. Plan an appropriate first semester class schedule; and,
4. Meet with an advisor in COHPA Undergraduate Student Services during the first few months of the first term to be advised toward the major.

Continuing students will:
1. See their faculty advisor each semester to check on possible career and research opportunities;
2. View a Degree Audit through myUCF frequently to check progress toward course requirements;
3. File an “Intent to Graduate Form” through MyUCF and meet with an advisor in the COHPA Undergraduate Student Services 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;
Academic Advising

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 HPA 124, 407-823-2670.

Pre-Health Professions Advisement

The Pre-Health Professions Advisement Office (HPA 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 curriculum 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 Selected 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 (HPA 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 their faculty academic advisor in their major department and/or the staff of the College of Sciences - Academic Support (COSAS, 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.

**Continuing students will:**

1. Contact the department of their major and meet with a faculty 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 schedule.
Graduating students will:
1. Do all of the following steps during the term prior to your term of graduation:
2. Review the COS graduation instructions available at http://undergrad.cos.ucf.edu/current/graduation.php (click on graduation tab);
3. Schedule and attend a graduation review appointment with a COSAS advisor; and,
4. Complete the on-line graduation application on myUCF within the dates specified at http://www.registrar.sdes.ucf.edu/calendar/.

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. See a Program Advisor prior to registration to select courses 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 Orientation on the Regional Campuses 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 Community College in the DirectConnect to UCF program and continues with the 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” chapter 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 and 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 web page at http://www.registrar.ucf.edu/weeg/.

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 requirements of each course 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 the 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

<table>
<thead>
<tr>
<th>Status</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Time</td>
<td>12 or more</td>
</tr>
<tr>
<td>Three Quarter Time</td>
<td>9-11</td>
</tr>
<tr>
<td>Half Time</td>
<td>6-8</td>
</tr>
<tr>
<td>Less Than Half Time</td>
<td>less than 6</td>
</tr>
</tbody>
</table>

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.

Effective Fall 2009, students entering a Florida community college, state college, or state university for the first time in Fall, 2009, and thereafter, will be subject to the state statute on excess hours which could result in a surcharge on tuition. This charge will be applied for each credit hour in excess of 120% of the number required to complete the baccalaureate degree program. For instance, if the degree program requires 120 credit hours, an excess hours charge will begin if a student goes beyond 144 credit hours. 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 web site at http://registrar.sdes.ucf.edu.

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 these records, transcripts, grades or registration due to financial obligations 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 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.

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 “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 web site: 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, see “Tuition Waivers” within “Financial Information” of the Undergraduate Catalog.

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
- Soldiers-to-Scholars
- Continuing Education
- Regional Campuses
- Off-campus credit
- 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;

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;

8. Students must complete a Limited Non-Degree Seeking Status Registration Form.
Withdrawal Policy

Withdrawal for each term begins after the drop 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/messaging/using-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 seeking to withdraw in person must sign the request and 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 approval prior to withdrawing from a class. If a student withdraws from courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or be fee liable and receive a grade.

A student is not automatically withdrawn from a class for not attending, nor can an instructor withdraw a student from a class.

No withdrawal is permitted after the withdrawal deadline 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 write to the Academic Services website at http://www.academicservices.ucf.edu/academic_record/ and consult Academic Services (MH 210). Students who are granted a late withdrawal will be given a passing or failing grade from 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.

Students who seek a withdrawal because they are ill must apply for a medical withdrawal following the medical withdrawal procedure. All requested forms must be submitted to initiate the review process. The student’s physician provides the University with the appropriate medical information, using the forms available in the Office of Academic Services (MH 210). A medical withdrawal must be for all classes in the term. Medical withdrawals can only be approved in cases where the student is unable to finish the term.

If a medical withdrawal is approved, a “WM” will be recorded for each course. Students who receive a medical withdrawal will be placed on hold by any subsequent semester until the University determines that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the immediately subsequent term, but will use that time to address the medical condition that necessitated the withdrawal. It is the student’s responsibility to drop all courses for any future term or be fee liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal following the medical withdrawal procedure. All students must submit a petition and all supporting documentation for a Late Drop of all courses to Academic Services (MH 210) within six months of the end of the term for which the Late Drop is sought.

Following the close of the Late Registration and Drop/Swap period each term, students withdrawing from courses will incur both grade and fee liability. Students with circumstances determined by the University to be exceptional and beyond their control may apply for a cancellation of enrollment and an elimination of fee liability. Exceptional circumstances include, but are not limited to documented sickness, death, involuntary call to military service, or administrative errors created by the University. Students must submit a petition and all supporting documentation for a Late Drop of all courses to Academic Services (MH 210) within six months of the end of the term for which the Late Drop is sought.

If a student withdraws from a course while an alleged academically dishonest act is under consideration, and the case is not subsequently resolved in favor of the student, the University reserves the right to assign the appropriate grade for the course.
Academic Regulations and Procedures

Withdrawal and Academic Behavior Violations
Should an alleged violation of academic behavior standards arise before the withdrawal deadline in a term, the instructor shall notify the unit head who will notify the University Registrar that the student shall not be withdrawn from the course in question. Only a written release from the authorized party deciding a student appeal will permit withdrawal. However, if the student appeals the academic action and desires to withdraw from the course, the process shall be initiated by the student immediately in the normal University manner. Such withdrawal requests will be held in abeyance until a ruling on an appeal is obtained. If resolved in favor of the student, the withdrawal request will be processed at the time. The individual empowered to rule on the student appeal shall appropriately notify both the University Registrar and the Director of the Office of Student Rights and Responsibilities or designee of the outcome. For additional information regarding Academic Behavior Violations, see the current Golden Rule (http://www.goldenrule.sdes.ucf.edu).

Grade System
The University uses an alphabetic system to identify student grades and other actions regarding student progress or class attendance. Beginning Fall 2001, a plus/minus grading system became effective, with a grade point equivalent per semester hour as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points Per Semester Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
</tr>
<tr>
<td>B+</td>
<td>3.25</td>
</tr>
<tr>
<td>B</td>
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<td>C</td>
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<tr>
<td>C-</td>
<td>1.75</td>
</tr>
<tr>
<td>D+</td>
<td>1.25</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.75</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>NC</td>
<td>-</td>
</tr>
</tbody>
</table>

Legend Action Grade Points
- I Incomplete -
- N No grade reported by instructor -(followed by grade)
- R Repeated course (Grade Forgiveness) S Satisfactory (w/credit)/Satisfactory Progress -(Research, Thesis, or Dissertation) T (followed by grade) Subsequently repeated (no credit)
- U Unsatisfactory (no credit) W Withdrawn -
- WF Withdrawn Failing 0.00
- WH Health Form Withdrawal WM Medical Withdrawal -
- WP Withdrawn Passing X Audit (no credit) *

*Available only in CHM 1032, CHM 2045C, CHS 1440, ENC 1101, ENC 1102, MAC 1105H, MAC 1105, MAC 1114, MAC 1140, MAC 2147, MAC 2233, MAC 2241, MAC 2253, MAC 2281, MAC 2281H, MAC 2311, MAC 2311H, and STA 2014C. In these classes NC replaces the use of D+, D and D-.

Example
A student has completed 13 credit hours for a given term. To calculate the Term GPA:

1) Multiply the number of credit hours per course by the number of grade points per grade. Then add each amount to arrive at the total number of grade points earned for that term:
   - Course #1: B+ 3 credit hours X 3.25 grade points = 9.75
   - Course #2: A- 3 credit hours X 3.75 grade points = 11.25
   - Course #3: A 4 credit hours X 4.00 grade points = 16
   - Course #4: B 3 credit hours X 3.00 grade points = 9

Total = 46 grade points

2) Divide the total number of grade points by the total number of credit hours earned that term:
   46.00 total grade points / 13 credit hours = 3.54 GPA for that term.

UCF Cumulative GPA
If prior to this term the student had earned a total of 162 grade points for a combined 54 term hours of coursework, his or her cumulative grade point average entering this term would be 3.00. Including this term of coursework, the cumulative grade point average would be (162 + 46) / (54 + 13) = 3.10.

Incomplete Grade
A grade of “I” (Incomplete) may be assigned by the instructor when a student is unable to complete a course due to extenuating circumstances, and when all requirements can be completed in a short time following the end of the term. When an instructor assigns an “I” grade for a course, the student is notified through e-mail about the grade. The student is responsible to arrange with the instructor for the completion of the requirements of the course. Effective with Incomplete grades assigned in the Fall semester 1997 and thereafter, a student cannot graduate from the University with an “I” on the transcript. The incomplete must be changed within one year of the last day of the term attempted or prior to graduation from the University, whichever comes first. Unresolved Incomplete grades automatically will be changed to “F” by the Registrar’s Office. Unresolved “I” grades in courses graded with “S” or “U” will be converted to “U.”

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 or from the UCF kiosks where a hard copy of grades per term may be printed via the “Print” browser function.

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 notified 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)
**Academic Regulations and Procedures**

responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever pos-
sible 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 Center 1, 103A; 407-823-5896.

Absences from classes for court-imposed legal obligations (e.g., jury
duty and subpoena) 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 appro-
priate 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/](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 and 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 sched-
uling 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 exami-
nations, 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
that he/she has been unreasonably denied an educational benefit due
of religious observances will not be penalized. A student who believes
of religious observances will not be penalized. A student who believes
of religious observances will not be penalized. A student who believes

**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 stu-
dents 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 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 stu-
dents 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 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. UCF’s Grade Forgiveness policy will calculate both grades; however, the lowest of the previous two grades will be forgiven. This special forgiveness policy may repeat the course again. 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 the Florida AA degree, or have completed UCF’s general education program, CLAST, 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 one 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 received an AA degree with a minimum “C” average (2.0 GPA) on all college work attempted from a Florida public community college 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 follow-
ing 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; 3) students requesting to continue in school, but who have failed to meet CLAS requirements; and 4) 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 that 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 is ineligible for readmission or has been denied read-
mission has thirty (30) days from the date of the denial to appeal for an exception to University policy to the Admissions 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 circum-
cstances that led to their poor academic performance or academic dismissal.
   a. The written statement should be limited in length to one type
      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 suc-
cess 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).

Excluding students who have not completed the required suspension period, the appellant will be afforded the opportunity to personally appear before the Committee before it renders a decision. Upon receipt of both the appeal and all required supporting docu-
mentation, the Admissions and Standards Committee will render a decision. The decision of the Admissions and Standards Committee is 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.

Academic Amnesty Program
Effective Fall 2004, the Academic Amnesty Program provides under-
graduate 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 con-
secutive 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 calcul-
ating 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 stu-
dent 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 advis-
      ing office (i.e., academic advising or mentoring, required
      tutoring or academic support services, etc.);
   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. The student will be required to appear before the Admissions and Standards Committee.


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 proba-
tion, 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 commit-
tee shall review each applicant’s academic potential and current stat-
tus and determine conditions for the individual’s degree of continued participation in intercollegiate athletic activities.

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 cer-
tificate, 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 the previous academic difficulties and a plan for ensuring suc-
cess 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).

Excluding students who have not completed the required suspension period, the appellant will be afforded the opportunity to personally appear before the Committee before it renders a decision. Upon receipt of both the appeal and all required supporting docu-
mentation, the Admissions and Standards Committee will render a decision. The decision of the Admissions and Standards Committee is 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.

Address and E-mail 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 e-mail changes also can be made by writing to 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 e-mail 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 payment 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 within 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 Accounts Office (MH 107). 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) Voluntary 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 the Student Accounts Office (MH 107) at 407-823-2433.

Majors, 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 “Undeclared” or “Undecided” major also 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. The “Undergraduate Major Change Form” is available at the college and school advising offices of from the Registrar’s Office website at http://www.registrar.ucf.edu. Forms may be submitted in person to the college/school advising offices, by mail, or in person to the Registrar’s Office (MH 161). Requests must include the student’s identification number and signature.

Majors
A Major 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. The “Undergraduate Minor Declaration/Change Form” is available at the college and school advising offices. Forms may be submitted to the college/school advising offices or by mail or in person to the Registrar’s Office (MH 161). Requests must include the student’s identification number and signature.

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. The Undergraduate Certification form is available at the college advising offices.

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 either 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 myUCF 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/fpco/.

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.
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. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. 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 sub-test areas for which credit may be awarded.

### ADVANCED PLACEMENT (AP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>GEP Usage</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score of 5</th>
<th>GEP Usage</th>
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<td>ARH 1000</td>
<td>SCI Found 2</td>
<td>ARH 2050 and 2051</td>
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<td>CUL &amp; HIS Found 2</td>
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<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 2010C</td>
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<td>SCI Found 2</td>
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<tr>
<td>Calculus AB</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
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<td>Calculus BC</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
<td>Same as 3</td>
<td>MAT Found 1</td>
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<td>CHM 1020 &amp; 1020L</td>
<td>SCI Found 1</td>
<td>CHM 2045 or CHM 2045L</td>
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<td>SCI Found 1</td>
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<tr>
<td>Chinese Language &amp; Culture</td>
<td>CHI 2200</td>
<td>Same as 4</td>
<td>Same as 3</td>
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<tr>
<td>Computer Science A</td>
<td>CGS 1075</td>
<td>MAT Found 2</td>
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<tr>
<td>Computer Science AB</td>
<td>CGS 1076</td>
<td>MAT Found 2</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
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<tr>
<td>Economics: Micro</td>
<td>ECO 2013</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Economics: Micro</td>
<td>ECO 2023</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>English Language and Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>ENC 1101 and 1102</td>
<td>Same as 4</td>
<td>COM Found 1 and 2</td>
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<tr>
<td>English Literature and Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>ENC 1101 and LIT 1005#</td>
<td>Same as 4</td>
<td>COM Found 1 and 2</td>
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<tr>
<td>Environmental Science</td>
<td>ISC 1051</td>
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<td>Same as 3</td>
<td>SCI Found 2</td>
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<td>European History</td>
<td>EUH 1009</td>
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<td>French Language</td>
<td>FRE 2200</td>
<td>FRV 2200 and 2201</td>
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<td>CUL and HIS Found 1 &amp; 3</td>
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<td>French Literature</td>
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<td>FRW 3100 and 3101</td>
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<td>CUL and HIS Found 1 &amp; 3</td>
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<td>German Language</td>
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<td>GER 2000 and 2201</td>
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<td>CUL and HIS Found 1 &amp; 3</td>
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<td>Government and Politics: Comparative</td>
<td>CPO 1002</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Government and Politics: United States</td>
<td>POS 2041</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Human Geography</td>
<td>GEO 2400</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Italian Language &amp; Culture</td>
<td>ITA 2200</td>
<td>ITA 2200 and 2201</td>
<td>Same as 4</td>
<td>CUL and HIS Found 1 &amp; 3</td>
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<tr>
<td>Japanese Language &amp; Culture</td>
<td>JPN 2200</td>
<td>JPN 2200 and 2201</td>
<td>Same as 4</td>
<td>CUL and HIS Found 1 &amp; 3</td>
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<tr>
<td>Latin: Literature</td>
<td>LNW 3700</td>
<td>Same as 3</td>
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<td>Latin: Vergil</td>
<td>LNW 2321</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>Same as 3</td>
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<tr>
<td>Music Theory</td>
<td>MUT 1001</td>
<td>If composite score is 3 or higher</td>
<td>Same as 3</td>
<td>CUL &amp; HIS Found 1 &amp; 3</td>
<td>Same as 3</td>
<td>CUL &amp; HIS Found 1 &amp; 3</td>
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<tr>
<td>Music Theory</td>
<td>MUT 1111 and MUT 1241 if bothural and non-aural subscores are 3 or higher</td>
<td>Same as 3</td>
<td>CUL &amp; HIS Found 1 &amp; 3</td>
<td>Same as 3</td>
<td>CUL &amp; HIS Found 1 &amp; 3</td>
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<tr>
<td>Physics B</td>
<td>PHY 2053C</td>
<td>SCI Found 1</td>
<td>PHY 2053C and 2054C</td>
<td>Same as 4</td>
<td>SCI Found 1</td>
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<tr>
<td>Physics C: Electricity/Magnetism</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>PHY 2048C</td>
<td>Same as 4</td>
<td>SCI Found 1</td>
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<tr>
<td>Physics C: Mechanics</td>
<td>PHY 2053C</td>
<td>SCI Found 1</td>
<td>PHY 2048C</td>
<td>Same as 4</td>
<td>SCI Found 1</td>
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<tr>
<td>Psychology</td>
<td>PSY 2012</td>
<td>SCI Found 2</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
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<tr>
<td>Russian Language &amp; Culture</td>
<td>RUS 2230</td>
<td>RUS 2230 and 2231</td>
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<tr>
<td>Spanish Language</td>
<td>SPN 2200</td>
<td>SPN 2200 and 2231</td>
<td>Same as 4</td>
<td>CUL and HIS Found 1 &amp; 3</td>
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<td>Spanish Literature</td>
<td>SPN 3100</td>
<td>SPN 3100 and 3201</td>
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<td>CUL and HIS Found 1 &amp; 3</td>
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<td>Statistics</td>
<td>STA 2023</td>
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<td>MAT Found 2</td>
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<td>Studio Art: Drawing Portfolio</td>
<td>ART 2300C</td>
<td>Same as 3</td>
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<td>Studio Art: 2-D Design Portfolio</td>
<td>ART 2210C</td>
<td>Same as 3</td>
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<tr>
<td>Studio Art: 3-D Design Portfolio</td>
<td>ART 2203C</td>
<td>Same as 3</td>
<td>Same as 3</td>
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<tr>
<td>United States History</td>
<td>AMH 1000</td>
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<td>World History</td>
<td>WOH 2022</td>
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<td>Same as 3</td>
<td>CUL &amp; HIS Found 1 &amp; 3</td>
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<td>CUL &amp; HIS Found 1 &amp; 3</td>
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*If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1005.*
### INTERNATIONAL BACCALAUREATE

<table>
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<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 1005/1006L and BSC 2010C</td>
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<tr>
<td>Business Management</td>
<td>GEB 2011</td>
<td>GEB 2011 and 2005</td>
<td>CHM 1020/1020L and CHM 2045C</td>
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<tr>
<td>Chemistry</td>
<td>CHM 1020 and 1020L</td>
<td>SCI Found 1</td>
<td>CHM 1020/1020L and CHM 2045C</td>
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<tr>
<td>Computer Science</td>
<td>CGS 1078</td>
<td>MAT Found 2</td>
<td>CGS 1078 and 1906</td>
<td>MAT Found 2</td>
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<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td>ETI 1410 and 1906</td>
<td>ECO 2013 and 2023</td>
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<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td>ECO 2013 and 2023</td>
<td>EVR 1017 and 1906</td>
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<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
<td>EVR 1017 and 1906</td>
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<tr>
<td>English A1</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>ENC 1101 and 1102</td>
<td>COM Found 1 and 2</td>
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<td>Environmental Systems</td>
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<td>ISC 1050 and 1906</td>
<td>SCI Found 2</td>
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<td>Film Studies</td>
<td>FIL 1001</td>
<td>FIL 1001 and 1002</td>
<td>FIL and HIS Found 2</td>
<td>MAT Found 2</td>
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<tr>
<td>French</td>
<td>FRE 1121</td>
<td>FRE 1121 and 2200</td>
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<td>Further Mathematics</td>
<td>MHE 1202</td>
<td>MHE 1202 and 1209</td>
<td>MAT Found 1</td>
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<td>(Advanced Mathematics)</td>
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<td>Geography</td>
<td>GEA 1000</td>
<td>GEO 1200 and 1400</td>
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<td>German</td>
<td>GER 1121</td>
<td>GER 1121 and 2200</td>
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<td>History</td>
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<td>CUL &amp; HIS Found 1</td>
<td>WOH 1030 and WOH 1999</td>
<td>CUL &amp; HIS Found 1</td>
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<td>Information &amp; Information Technology</td>
<td>IDS 1906 (3 credits)</td>
<td>IDS 1906 (6 credits)</td>
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<td>Islamic History</td>
<td>ASH 1906</td>
<td>ASH 1906 (6 credits)</td>
<td>ASH 1906 and 1908</td>
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<td>Latin</td>
<td>LAT 2230</td>
<td>LAT 2230 and 1906</td>
<td>MAT Found 1</td>
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<td>Math Methods</td>
<td>MAC 1105</td>
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<td>MAC 1105 and 1140</td>
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<td>Math Studies</td>
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<td>MAT 1033 and MGF 1106</td>
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<td>MAC 1147 and 2233</td>
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<td>MUL 2010 and HUM 1906</td>
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<td>PHI 2010 and 1906</td>
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<td>PHY 2003C and 2054C</td>
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<td>PSY 2012 and 1906</td>
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<td>SPN 1121 and 2200</td>
<td>THE 2000 and 1908</td>
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<td>Visual Arts</td>
<td>ART 1012</td>
<td>ART 1012 and 1906</td>
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*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

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<td>Accounting, Financial</td>
<td>ACG 1001</td>
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<tr>
<td>Accounting, Principles of</td>
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<tr>
<td>Algebra, College</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 2147</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>American Government</td>
<td>POS 2041</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>American Literature</td>
<td>AML 1000</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Biology, General</td>
<td>BSC 1005</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
<td></td>
</tr>
<tr>
<td>Calculus</td>
<td>MAC 2233</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Chemistry, General</td>
<td>CHM 1020</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>College Composition</td>
<td>ENC 1101 and ENC 1102</td>
<td></td>
</tr>
<tr>
<td>Educational Psychology, Introduction to</td>
<td>EDP 1002</td>
<td></td>
</tr>
<tr>
<td>English Composition with Essay</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
</tr>
<tr>
<td>English Literature</td>
<td>ENL 1000</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>French Language</td>
<td>FRE 1120C</td>
<td>Score of 50 or higher earns FRE 1120C and 1121C</td>
</tr>
<tr>
<td>German Language</td>
<td>GER 1120C</td>
<td>Score of 60 or higher earns GER 1120C and 1121C</td>
</tr>
<tr>
<td>History of the United States I: Early Colonizations to 1877</td>
<td>AMH 2010</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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<tr>
<td>History of the United States II: 1865 to Present</td>
<td>AMH 2020</td>
<td>CUL &amp; HIS Found 1 or 3</td>
</tr>
<tr>
<td>Human Growth and Development</td>
<td>DEP 2004</td>
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<td>Humanities</td>
<td>HUM 2250</td>
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</tr>
<tr>
<td>Information Systems and Computer Applications</td>
<td>CGS 1077</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Macroeconomics, Principles of</td>
<td>ECO 2013</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Management, Principles of</td>
<td>MAN 2021</td>
<td></td>
</tr>
<tr>
<td>Marketing, Principles of</td>
<td>MAR 2011</td>
<td></td>
</tr>
<tr>
<td>Mathematics, College</td>
<td>MGF 1106</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Microeconomics, Principles of</td>
<td>ECO 2023</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Precalculus</td>
<td>MAC 1140</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Psychology, Introductory</td>
<td>PSY 2012</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Sociology, Introductory</td>
<td>SYG 2000</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SPN 1120C</td>
<td>Score of 63 or higher earns SPN 1120C and 1121C</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EIHU 2000</td>
<td>CUL &amp; HIS Found 1 or 3</td>
</tr>
<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>EIHU 2001</td>
<td>CUL &amp; HIS Found 1 or 3</td>
</tr>
</tbody>
</table>
mum 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; d) does not have 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 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.

### CAMBRIDGE AICE EXAMS

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting (AS-Level)</td>
<td>ACG 1001</td>
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</tr>
<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
<td></td>
</tr>
<tr>
<td>Art and Design (A-Level)</td>
<td>ART 1906</td>
<td></td>
</tr>
<tr>
<td>Art and Design (AS-Level)</td>
<td>ART 1906 and ART 1907</td>
<td></td>
</tr>
<tr>
<td>Biology (AS-Level)</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Biology (A-Level)</td>
<td>BSC 2010C and BSC 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Business Studies (AS-Level)</td>
<td>GEB 2011</td>
<td></td>
</tr>
<tr>
<td>Business Studies (A-Level)</td>
<td>GEB 2011 and GEB 2905</td>
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<tr>
<td>Chemistry (AS-Level)</td>
<td>CHM 1020/1020L</td>
<td>SCI Found 1</td>
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<tr>
<td>Classical Studies (AS-Level)</td>
<td>CLA 1010</td>
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</tr>
<tr>
<td>Chemistry (A-Level)</td>
<td>CHM 1020C and CHM 2045C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computing (A-Level)</td>
<td>CIG 1073</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Computing (AS-Level)</td>
<td>CIG 1073 and CIG 1074</td>
<td>MAT Found 2</td>
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<tr>
<td>Design &amp; Technology (AS-Level)</td>
<td>ETI 1482C</td>
<td></td>
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<tr>
<td>Design &amp; Technology (A-Level)</td>
<td>ETI 1482C and ETI 1906</td>
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<tr>
<td>Economics (AS-Level)</td>
<td>ECO 1000</td>
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<tr>
<td>Economics (A-Level)</td>
<td>ECO 1023 and ECO 2023</td>
<td>SCI Found 1</td>
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<tr>
<td>English (AS-Level) *</td>
<td>ENC 1101</td>
<td>SCI Found 1</td>
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<tr>
<td>English - Literature in English (A-Level) # ENC 1101 or ENC 1102</td>
<td>COM Found 1 or COM Found 2</td>
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</tr>
<tr>
<td>Environmental Management (AS-Level)</td>
<td>EVR 1001C</td>
<td>SCI Found 2</td>
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<tr>
<td>French Language (AS-Level)</td>
<td>FRE 1121</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>French Language (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
<td>SCI Found 1</td>
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<tr>
<td>Further Mathematics (AS-Level)</td>
<td>MAC 2311 and MAC 2312</td>
<td>SCI Found 1</td>
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<tr>
<td>General Paper</td>
<td>IDS 1110</td>
<td>MAT Found 1</td>
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<tr>
<td>Geography (AS-Level)</td>
<td>GEA 1000</td>
<td>SCI Found 2</td>
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<tr>
<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
<td>SCI Found 2</td>
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<tr>
<td>German Language (AS-Level)</td>
<td>GER 1121</td>
<td>SCI Found 1</td>
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<tr>
<td>German Language (A-Level)</td>
<td>GER 1121 and GER 2200</td>
<td>SCI Found 1</td>
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<tr>
<td>History (AS-Level)</td>
<td>HIS 1006 (3 credits)</td>
<td>Subject to review by History Dept</td>
</tr>
<tr>
<td>History (A-Level)</td>
<td>HIS 1006 (6 credits)</td>
<td>Subject to review by History Dept</td>
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<tr>
<td>Latin (AS-Level)</td>
<td>LAT 1112C</td>
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<tr>
<td>Marine Science (AS-Level)</td>
<td>OCE 1001</td>
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<tr>
<td>Marine Science (A-Level)</td>
<td>OCE 1001 and OCB 1000</td>
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<tr>
<td>Mathematics (AS-Level)</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 1906</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Music (AS-Level)</td>
<td>MUH 1001</td>
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<td>Music (A-Level)</td>
<td>MUH 1001 and MUH 2011</td>
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</tr>
<tr>
<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics (A-Level)</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Psychology (AS-Level)</td>
<td>PSY 2012</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Psychology (A-Level)</td>
<td>PSY 2012 and PSY 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
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</tr>
<tr>
<td>Spanish Language (A-Level)</td>
<td>SPN 2230 and SPN 2231</td>
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</tr>
<tr>
<td>Spanish Literature (AS-Level)</td>
<td>SPW 3100</td>
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<tr>
<td>Thinking Skills (AS-Level)</td>
<td>PHI 1103</td>
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<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and PHI 1906</td>
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<tr>
<td>Travel and Tourism (AS-Level)</td>
<td>HFT 1000</td>
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</tr>
<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and HFT 1906</td>
<td></td>
</tr>
</tbody>
</table>

*If the student has previous credit for ENC 1101, credit will be rewarded for ENC 1102.

**#If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 2100.**
**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](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.getcollegecredit.com](http://www.getcollegecredit.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](http://www.excelsior.edu).

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### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
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<td>48</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
<td></td>
<td>48</td>
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<tr>
<td>Business Law II</td>
<td>BUL 2242</td>
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<tr>
<td>Business Math</td>
<td>QMB 1001</td>
<td></td>
<td>48</td>
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<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
<td></td>
<td>49</td>
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<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
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<td>46</td>
</tr>
<tr>
<td>Ethics in America</td>
<td>PH1630</td>
<td></td>
<td>46</td>
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<tr>
<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
<td></td>
<td>47</td>
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<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
<td></td>
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<tr>
<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
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<td>45</td>
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<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOC Found 2</td>
<td>47</td>
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<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
<td></td>
<td>48</td>
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<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
<td></td>
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<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
<td></td>
<td>48</td>
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<tr>
<td>Intro to Computing</td>
<td>CGS 1060</td>
<td>MAT Found 2</td>
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<tr>
<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
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<tr>
<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CUL and HIST Found 2</td>
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<tr>
<td>Introduction to Business</td>
<td>GEB 2111</td>
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<td>46</td>
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<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
<td></td>
<td>45</td>
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<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
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<td>46</td>
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<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
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<td>46</td>
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<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
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<td>48</td>
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<td>Organizational Behavior</td>
<td>INP 1002</td>
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<tr>
<td>Personal Finance</td>
<td>FIN 1100</td>
<td></td>
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<tr>
<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
<td>46</td>
</tr>
<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
<td></td>
<td>46</td>
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<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
<td></td>
<td>47</td>
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<tr>
<td>Principles of Physical Science</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
<td>47</td>
</tr>
<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>COM Found 3</td>
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<tr>
<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>MAT Found 2</td>
<td>48</td>
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<tr>
<td>Principles of Supervision</td>
<td>MNA 1235</td>
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<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1068</td>
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<tr>
<td>Technical Writing</td>
<td>ENC 2210</td>
<td></td>
<td>46</td>
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<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
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### EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
</tr>
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<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td>COM Found 1</td>
<td>45</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
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<td>40</td>
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<tr>
<td>Ethics: Theory and Practice</td>
<td>PH1 1630</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td></td>
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</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
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<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
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<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
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<td>45</td>
</tr>
<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td></td>
<td>45</td>
</tr>
</tbody>
</table>
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;
- Fulfill the CLAS requirement;
- 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 public community colleges, state colleges, 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 or are in the final term of completion of all their requirements.

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 the 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 Presentation .................... 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)
2. HUM 2210 Humanistic Tradition I 2 .................................. 3 (3,0)
3. HUM 2230 Humanistic Tradition II 2 .................................. 3 (3,0)
4. AMH 2010 U.S. History: 1492-1877 2 .................................. 3 (3,0)
5. AMH 2020 U.S. History: 1877-present 2 ................................ 3 (3,0)
6. WOH 2012 World Civilization I 2 ...................................... 3 (3,0)
7. WOH 2022 World Civilization II 2 ...................................... 3 (3,0)
8. ARH 2050 History of Western Art I ..................................... 3 (3,0)
9. ARH 2051 History of Western Art II .................................... 3 (3,0)
10. MUL 2010 Enjoyment of Music ........................................ 3 (3,0)
11. THE 2000 Theatre Survey ............................................... 3 (3,0)
12. FIL 1000 Cinema Survey ................................................ 3 (3,0)
13. REL 2300 World Religions .............................................. 3 (3,0)
14. Phi 2010 Introduction to Philosophy ................................... 3 (3,0)
15. LIT 2110 World Literature I PR: ENC 1102 2 ......................... 3 (3,0)
16. 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 1105 College Algebra 2 ........................................... 3 (3,0)
2. MGF 1108 Finite Mathematics ........................................... 3 (3,0)

2. CGS 1060C Introduction to Computer Science 2 ....................... 3 (3,0)
2. STA 2014C Principles of Statistics 2 ................................... 3 (3,0)

D. Social Foundation .................................................... 6 hours
1. ECO 2013 Principles of Macroeconomics ................................ 3 (3,0)
2. ECO 2023 Principles of Microeconomics, ................................ 3 (3,0)
3. POS 2041 American Government ......................................... 3 (3,0)

2. SYG 2000 Introduction to Sociology .................................... 3 (3,0)
3. ANT 2000 General Anthropology ........................................ 3 (3,0)

2. PSY 2012 Introduction to Psychological Science ....................... 3 (3,0)
3. GLY 1030 Geology & Its Applications ................................... 3 (3,0)
4. ANT 2511 The Human Species .......................................... 3 (3,0)
5. MCB 1310 Intro to Biotechnology and Genetic Engineering ........ 3 (3,0)

3. Take one additional course from any of B1 or B2.

E. Science Foundation .................................................... 6 hours
1. AST 2002 Astronomy ..................................................... 3 (3,0)
2. PSC 1121* Physical Science PR: MAC 1105 or MGF 1106 ............ 3 (3,0)
3. PHY 2053C College Physics I: MAC 1105 and MAC 1114 ............. 4 (3,3)
4. CHM 2010 Concepts in Chemistry PR: High School Algebra ........ 3 (3,0)

2. BSC 1005* Biological Principles ....................................... 3 (3,0)
3. BSC 1050* Biology and Environment ................................... 3 (3,0)
4. GY 2013 Geology & Its Applications .................................... 3 (3,0)
5. AN 2511 The Human Species .......................................... 3 (3,0)
6. 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 sufficient 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 through administrative offices.

Alternate Courses:
General Education Program

Courses that may be taken in substitution for the stated GEP requirements are listed below:

<table>
<thead>
<tr>
<th>GEP Requirement</th>
<th>Acceptable Substitutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105 (College Algebra)</td>
<td>MAC 1114, MAC 1140, MAC 2233, MAC 2253, MAC 2311, MAC 2312, MAC 2313</td>
</tr>
<tr>
<td>MAC 2313</td>
<td></td>
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<tr>
<td>MGF 1106 (Finite Mathematics)</td>
<td>MGF 1107</td>
</tr>
<tr>
<td>PHY 2053C (Physics)</td>
<td>PHY 2048, PHY 2049, PHY 2054C, PHY 2041C, PHY 2044, PHY 2055</td>
</tr>
<tr>
<td>CHM 1020 (Chemistry)</td>
<td>CHM 2045C, CHM 1032, CHS 1440, CHM 2040C &amp; CHM 2041C</td>
</tr>
<tr>
<td>CGS 1060C (Intro to Computer)</td>
<td>CGS 20100C, COP 2050C, COP 3502C, COP 3100C</td>
</tr>
<tr>
<td>CGS 2010 (Theatre)</td>
<td>THE 2020</td>
</tr>
<tr>
<td>MLT 1000 (Enjoyment of Music)</td>
<td>MLT 2030, MLT 3036, MLT 3050</td>
</tr>
<tr>
<td>STA 2014C (Statistics)</td>
<td>STA 2023, STA 3032</td>
</tr>
<tr>
<td>STA 2020 (Theatre)</td>
<td>THE 2020</td>
</tr>
<tr>
<td>MLT 1000 (Cinema Survey)</td>
<td>MLT 2030, MLT 3036, MLT 3050</td>
</tr>
<tr>
<td>MLT 2040 (Enjoyment of Music)</td>
<td>MLT 2017, MLT 2019, MLT 3212, MLT 2016, MLT 2720</td>
</tr>
</tbody>
</table>

- For 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 baccalaureate degree from UCF must complete at least one course that explores the diversity 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 public state university or community college. 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.

Education Courses:
- ENC 1102 Composition II
- SPC 1608 Fundamentals of Oral Communication
- SYG 2000 General Sociology
- ANH 2000 General Anthropology
- POS 2041 American National Government
- PSY 2012 General Psychology
- WOH 2022 World Civilization II
- LIT 2120 World Literature II

Other Courses:
- AMH 3422 Frontier Florida
- AMH 3425 Sunbelt Florida
- AMH 3562 Women in American History II
3. The Testing Administrator of the University Testing Center will
1. This requirement is for proficiency and not a requirement for a
particular number of hours of course work. For example, success-
ful 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 (PH 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 col-
lege, 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 com-
pleted 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
   (1) Six hours of English Composition
   (2) Specifically identified courses and
   college level writing
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
HUM 2230 Humanistic Tradition II
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 US 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
AML 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
AHL 3031 American Literature
AHL 3041 American Literature II
AHL 3283 Contemporary American Women’s Fiction
AHL 3286 Early American Women’s Words
AHL 3614 Topics in African-American Literature
Undergraduate Degree Requirements

**LAH 3470  History of the Caribbean**
**LAH 3400  History of Mexico and Central America**
**LAH 3200  Latin American History II**
**JOU 4306C  Critical Writing**
**JOU 4300  Feature Writing**
**JOU 3101  Advanced Reporting**
**HUM 3460  Latin American Humanities**
**HUM 3431  Ancient Humanities**
**HUM 3320  Contemporary Multicultural Studies**
**HUM 2210H  Honors Humanistic Tradition I**
**HIS 4150  History and Historians**
**EUH 4576  History of Russia in the 20th Century**
**EUH 4574  History of Russia: 1801-1917**
**EUH 4571  History of Russia to 1801**
**EUH 4502  British History: 1815-Present**
**EUH 4501  English History: 1485-1815**
**EUH 4500  English History to 1485**
**EUH 4465  Hitler's Third Reich**
**ENL 4333  Shakespeare Studies**
**EUN 2000H  Honors Western Civilization I**
**EUN 3122  Medieval Society and Civilization**
**EUN 3142  Renaissance and Reformation**
**EHU 3242  Modern Europe and the First World War**
**EHU 3281  Second World War and Rebirth of Europe**
**EHU 3451  History of Modern France**
**EHU 4284  Fascism and the Totalitarian Dictatorships**
**EHU 4465  Hitler’s Third Reich**
**EHU 4500  English History to 1485**
**EHU 4501  English History: 1485-1815**
**EHU 4502  British History: 1815-Present**
**EHU 4571  History of Russia to 1801**
**EHU 4574  History of Russia: 1801-1917**
**EHU 4576  History of Russia in the 20th Century**
**EHU 4620  European Great Powers: 1815-1914**
**HIS 4150  History and Historians**
**HUM 2210H  Honors Humanistic Tradition I**
**HUM 3320  Contemporary Multicultural Studies**
**HUM 3394  Representations of Place and Space**
**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  Latin American History II**
**LAH 3400  History of Mexico and Central America**
**LAH 3470  History of the Caribbean**

**College Level Academic Skills (CLAS) Requirement**

The College Level Academic Skills (CLAS) requirement is part of Florida's system of educational accountability that measures a student's attainment of the college-level communication and mathematics skills commensurate with successful completion of lower division course work identified by the faculties of community colleges and state universities through the College-Level Academic Skills Project (CLASP).

Since August 1, 1984, students in public postsecondary institutions in Florida have been required to meet CLAS requirement for the award of an Associate of Arts degree, for admission to upper-division status and the award of a baccalaureate degree in a state university in Florida. Prior to July 1, 2009 students could meet the CLAS requirement by taking the CLAST (College Level Academic Skills Test) exam, or the alternative methods of ACT, SAT, or coursework. Effective July 1, 2009, the CLAST exam was no longer administered. Recent Florida legislation, Senate Bill 1676, repealed the use of the CLAST to measure the CLAS requirement. However, the CLAS requirement does remain in effect. All scores earned prior to July 1, 2009, will still be valid.

Current options for students who still need to satisfy the CLAS requirement are (subject to Florida legislative changes):
- Achieving a score that meets or exceeds a minimum required score on the CLAST exam prior to July 1, 2009.
- Achieving a score that meets or exceeds a minimum score on a nationally standardized exam (SAT and ACT).
- Achieving a 2.5 GPA in applicable coursework.

**SAT Scores**: A student who scores 500 or above on the on the quantitative section of the SAT is exempt from the Math section. A student who scores 500 or above on the verbal section of the SAT is exempt from the Essay, English Language Skills, and Reading sections.

**ACT Scores**: A student who earns a score of 21 or above on the Math section of the ACT is exempt from the Math section. A student
Undergraduate Degree Requirements

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. The CLAS requirement; and,
4. 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.

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 e-mail). 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 the University of Florida, Independent Study, Suite D, 2209 NW 13th St., Gainesville, FL 32609; 352-392-1711. Ext 200. E-mail: learn@nervm.nerc.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. One diploma will be awarded with both majors indicated. 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.

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. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. Petition forms for exemption are available from Academic Services (MH 210).
Undergraduate Degree Requirements

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 CLAST, 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 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 and the College Level Academic Skills requirement.

The Associate of Arts degree is awarded only upon application. The application form may be obtained in Academic Services, MH 210 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 Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, and Bachelor of Science in Social Sciences. 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, Modern Language Combination, Music, Philosophy, Religious 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
Bachelor of Science (B.S.)

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: Biomedical Sciences, Biotechnology, Medical Laboratory Sciences

College of Nursing
Bachelor of Science in Nursing (B.S.N.)
Major: Nursing

College of Sciences
Bachelor of Arts (B.A.)
Majors: Advertising-Public Relations, Anthropology, International and Global Studies, Interpersonal/Organizational 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 Minors by College

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**College Awarding Minor**

**Name of Minor**

- Rosen College of Hospitality Management: Hospitality Management
- Office of Undergraduate Studies: Environmental Studies, Leadership Studies, World Comparative Studies

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.

**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 Graduate Catalog: [http://www.graduate.ucf.edu/catalog/](http://www.graduate.ucf.edu/catalog/).
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 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 parents are encouraged to contact Honors staff if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida state or community college that has signed 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.

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 the student must: 1) complete 4 Honors lower-division courses; 2) complete the freshman Honors Symposium; and 3) meet upper-division Honors course requirements determined by college or major.

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 Lower-division Upper-division Major**

IDH 1920H 4 courses See requirements by College

The current upper-division requirements are as follows:

- **University Honors Upper-Division Program Requirements: College of Arts and Humanities, College of Education, 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 Seminar
  2. Complete two Honors upper-division courses or Interdisciplinary Seminars

- **University Honors Upper-Division Program Requirements: College of Business Administration (excluding Economics (B.A.))**
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Business courses

- **University Honors Upper-Division Program Requirements: College of Engineering and Computer Science (Excluding Computer Science and Information Technology majors)**
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Engineering courses

- **University Honors Upper-Division Program Requirements: College of Medicine (excluding Medical Laboratory Sciences majors)**
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two of the following Honors upper-division courses

- **University Honors Upper-Division Program Requirements: College of Pharmacy**

**Notes**

Prospective Honors students and their parents are encouraged to contact Honors staff if they have questions.

Consult 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 Seminar
2. Complete two Honors upper-division Computer Science courses
   - COP 3223H C Programming
   - COP 3502H Computer Science I
   - COP 3503H Computer Science II
   - COP 3100H Introduction to Discrete Structures
   - ENC 3241H Writing for the Technical Professional
   - Check 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 Seminar
2. Complete two of the following Honors upper-division courses

**Acceptable Waivers**

Please see the Burnett Honors College website at [http://www.honors.ucf.edu](http://www.honors.ucf.edu) 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. Students may only receive one waiver of credit per undergraduate career.

**Notes**

Students who are pursuing University Honors in two degrees must complete an extra Upper-Division course or Interdisciplinary Seminar.

Honors in the Major (HIM) courses do NOT count for University Honors requirements. However, EGN 4931H and NUR 3165H can count for HIM Directed Readings.

**Honors in the Major**

Application for admission to the Honors in the Major program will be made 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://www.research.honors.ucf.edu/him/](http://www.research.honors.ucf.edu/him/).

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 must 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@mail.ucf.edu.

Student-Mentor Academic Research Teams
TBHC oversees the Student-Mentor Academic Research Teams (SMART) Program which is designed to assist sophomores and juniors identify and work with faculty mentors in a research area of shared interest. SMART is open to all UCF students with a minimum overall GPA of 3.2. A limited number of SMART grants are competitively awarded to students and faculty for fall, spring, or summer semester research. Students seeking more information about SMART should visit http://www.research.honors.ucf.edu/smart/

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, Jack Kent Cooke, Truman, and Goldwater 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 should contact OPA by phone at 407-823-4019, visit BHC 103 or http://www.opa.honors.ucf.edu.

If you have any questions about SMART or the grants program, please contact the Office of Research and Civic Engagement in BHC 107 or by phone at 407-823-6402.
College of Arts and Humanities
Dean: Jose Fernandez
CAH 190; 407-823-2251
http://www.cah.ucf.edu

Associate Dean: Lyman Brodie
CAH 190; 407-823-2251
Associate Dean: Lynn Hepner
CAH 190; 407-823-2251
Assistant Dean: Paul Lartonoix
CAH 190; 407-823-2251

The College of Arts and Humanities includes the following departments: English, Film, Modern Languages & Literatures, History, Music, Philosophy, Theatre, and Writing & Rhetoric. The College also houses programs in American Studies, Asian Studies, Judaic Studies, Latin American Studies, Caribbean and Latin/o Studies, Women's Studies, and Middle Eastern Studies. The college also oversees the School of Visual Arts and Design, which offers degrees in art, architecture, and digital media.

In keeping with the aims 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 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. Computer proficiency is determined within the student’s department of major. Depending on the program, evaluation may be via a written test, relevant projects, or specific exercises within a course or an entire course dealing with computers. 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.
Preprofessional Programs

Prelaw Program

Prelaw Advisor: Jennifer Mundale
CNH 411L; 407-823-5076

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
E-mail: cahsa@mail.ucf.edu
http://www.cah.ucf.edu/students/advising.php

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: African American, 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.

African American Studies - Contact: TBA; 407-823-0026
American Studies - Contact: Lyman Brodie; 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: José Maunez-Cuadra; 407-823-1173
Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225

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
African-American Studies      Minor
American Studies              Minor
Architecture                  BD
As                               BA, BFA, Minor, MFA
Asian Studies                 Minor
Cinema Studies (Film)         BA, Minor
Community Arts - PAVE          Minor
Dance                         Minor
Digital Media                 BA, MA, Certificate, Minor
English                       BA, MA, Minor, MFA, Ph.D., Certificate
Film                          BFA, MFA
Modern Language Combination   BA
French                        BA, Minor
German                        Minor
History                       BA, MA, Accelerated MA, Minor
Humanities                   BA, Minor
Italian                      Minor
Jazz Studies                  Certificate
Judic 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
Religious Studies             BA, Minor
Spanish                       BA, MA, Minor
Teaching English as a Foreign Language (TEFL) Certificate
Teaching EFL                   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

African-American Studies: Program

Program Director: JoAnne Stephenson
CNH 411; 407-823-0026
http://www.aas.cah.ucf.edu

The College of Arts and Humanities offers a minor in African-American Studies, which gives students the opportunity to explore the African American experience from a multi-disciplinary perspective. The program is designed to enhance and complement the student’s major area of study. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, and Theater. 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: African-American Studies
American Studies: Program
Contact: Lyman Brodie
CAH 190; 407-823-2292
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: Janki Maraj
VAB 117; 407-823-3145
A minor in Community Arts—Partners in Art in Visual Education (PAVE) is offered for the student who is 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
E-mail: english@ucf.edu
http://www.english.cah.ucf.edu
Faculty: Angley, Applen, Bartkevicius, Campbell, Casmier-Paz, Cato, Dombrowski, Flamia, Grajeda, Hasanat, Hepner, Hohenleitner, Hubbard, A. Jones, D. Jones, Kamrath, Kessler, Lillios, Logan, Mauer, Meehan, Moody, Norton, Murphy, Neal, Oliver, Pugh, Rodriguez, Milanes, Roney, Rushin, Saper, Schell, Seidel, Spraker, Stap, Telep, Thaxton, Trouard, 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 Communication 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 degree plans.
Degrees: English (BA, MA), Creative Writing (MFA), Texts & Technology (Ph.D)
Tracks: Literature, Creative Writing, Technical Communication
Minors: Creative Writing, Literature, Linguistics, Medieval/Renaissance, Technical Communication

Department of Film
Interim Chair: Steve Schlow
COM 121; 407-823-0694
E-mail: film@ucf.edu
http://www.films.ucf.edu
Faculty: Cook, Finch, Gerstein, Harris, Ingle, Jones, Major, Mills, Rohdie, Sandler, Schlow, Stoeckl, Wolfe
Offering a four-year undergraduate curriculum, the Film Department focuses on developing a student's creative voice, appreciation and understanding of the medium. There are two programs: The BFA in production is a limited access program that stresses entrepreneurial filmmaking and the use of new technology in the production and distribution of student work. Encompassing all aspects of filmmaking from conceptualization to distribution, this program prepares students to become effective independent filmmakers. Graduating seniors are required to complete a capstone film, script, or digital media project. Concentrations include: filmmaking, screenwriting, digital cinema. The Cinema Studies BA is a rigorous course of study in film theory, criticism and history that prepares the student for work in the industry or for Graduate Study. Community partners include: Universal Studios Florida, Panavision, Kodak, Disney-MGM Studios, and the Florida Film Festival.

Students are selected for the limited access BFA by submitting an application form and creative portfolio by December 15. Complete information on faculty, curriculum, and admission requirements is available on the department website. Because this is a limited access program, students should pay close attention to the program admission requirements and check with the Department or website frequently.

Degrees: Film (BFA, MFA) Cinema Studies (BA)
Minors: Film—Cinema Studies (BA)

Department of History
Chair: Rosalind Beiler
CNH 505A; 407-823-5450
E-mail: history@ucf.edu
http://www.history.cah.ucf.edu
Faculty: Adams, Beiler, Cassanello, Clark, Crepeau, Dandrow, Darty, Farless, Fernandez, Foster, Gannon, Gordon, Graham, Head, Hetlthy, Kallina, Larson, Lester, Long, Lyons, Martinez-Fernandez, O’Tea, Ozcogl, Pineda, Sacher, Solomon, W., Ser, Walker, 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, African-American Studies, Asian Studies, and Latin American, Caribbean and Latino Studies.

Degrees: History (BA, MA, Accelerated MA)
Tracks: None
Minors: History

Judaic Studies: Program
Program Director: Moshe Pelli
CNH 201; 407-823-5039 or 823-5129
E-mail: judaicst@ucf.edu
http://www.judaiestudics.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, Certificate

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### Latin American, Caribbean, and Latino Studies

**Program Director:** José Maunez-Cuadra  
CNH 201; 407-823-1173  
E-mail: jmaunez@pegasus.cc.ucf.edu  
http://www.lacsls.cah.ucf.edu

The Latin American Studies Minor provides 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

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### Middle Eastern Studies: Program

**Program Director:** Husain Kassim  
CNH 411J; 407-823-2803  
E-mail: kassim@mail.ucf.edu  
Advisory Board Co-Chairs: John C. Bersia; Janan Smither  
http://www.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

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### Department of Modern Languages and Literatures

**Chair:** Paul Giordano  
CNH 523; 407-823-2472  
E-mail: foreignlanguages@ucf.edu  
http://www.mll.cah.ucf.edu

**Faculty:** Barone, Bougeois-Serrano, Cordeiro-Rosa, Fabery, Farcam, Fernandez, Folse, Garcia, Giordano, Gonzalez, Joo, Korosy, Leticee, Lopez, Ludwig, Mazzuchelli, Mhai, Montalvo, Nalbone, Negy, Pomerleau, Prucha, Pumensky, Redmon, Spina, Stebbins, Tartt, Thompson, Trinquet, Velez-Soto, Villanueva-Gheifa, Vitanova; Professor Emeriti: Barsch, Del-Rio, Micarelli

The Department provides instruction in Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish, with majors in French, Spanish, and a Combination Major (two languages). The language combinations may consist of French, German, or Spanish as a first language, and any of these three, plus Italian, as a second language. 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), Modern Language Combination (BA), TESOL (MA)  
**Tracks:** None  
**Minors:** French, German, Italian, Spanish, TEFL (certificate)

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### Department of Music

**Chair:** Jeffrey Moore  
CNH 205; 407-823-2879; Fax: 407-823-3378  
E-mail: music@ucf.edu  
http://www.music.cah.ucf.edu

**Faculty:** Allen, Almeida, Anderson, Boukobza, Brodie, Brunner, Danielson, Garcia, Gay, Holcomb, Hunt, Koons, Marosi, Moore, Pherigo, Pickerling, Potter, Rupert, Scharron, Stephenson, Thornton, Warfield, Wernemuth, Yonetani; Part-Time Faculty: Bagley, Hawkins, Hill, Hsu, Randall, Robertson, Titus; Faculty Emeriti: Whisler, Wolf

The Department of Music offers a Bachelor of Music degree with options in performance 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. 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  
**Minors:** Music, Performing Arts Administration

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### Department of Philosophy

**Chair:** Bruce Janz  
CNH 203; 407-823-4416  
E-mail: philosophy@ucf.edu  
http://www.philosophy.cah.ucf.edu

**Faculty:** Brenneman, Cash, Compson, Coverston, DiBernardo, Evans, Fiore, Gallagher, Hawkins, Janz, Jones, Kassim, Mundale, Park, Schippert, Stanlick, Strawser, Vest; Professor Emeriti: Flick, Evans, Gabbard, Janssen, Janz, Jones, Kassim, Mundale, Perry, Rusnock, Scott, Seay, Shafer, Siegfried, Smith, St. Claire, Turin, Tollefson, Weaver, Wood, Wootton; Faculty Emeriti: Smith

The Department of Philosophy offers a Philosophy major, a Religious Studies major, and a Humanities major, with a track in Philosophy, Religion, and Popular Culture as well as minors in Philosophy, Humanities, Religious 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), Religious Studies (BA), Humanities (BA), Humanities - Philosophy, Religion and Popular Culture (BA)  
**Tracks:** Regular and Honors  
**Minors:** Cognitive Sciences; Humanities; Philosophy; Philosophy, Religion & Popular Culture; Religious Studies

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### Department of Theatre

**Chair:** Christopher Niess  
CNH 205; 407-823-2862  
E-mail: theatre@ucf.edu  
http://www.theatre.cah.ucf.edu

**Faculty:** Alrutz, Boyd, Brotherton, Brown, Chicurel, Harris, Helsinger, Huaxiang, Ingram, Lartonoix, Lee, Listengarten, McDonald, Niess, Perry, Rusnock, Scott, Seay, Shafer, Siegfried, Smith, St. Claire, Tolleson, Weaver, Wood, Wootton; 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

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### Department of Writing and Rhetoric

**Chair:** David L. Wallace  
**CNH 307I; 407-823-0576**  
**E-mail:** writingandrhetoric@mail.ucf.edu  
**http://writingandrhetoric.cah.ucf.edu**

**Faculty:** Barnickel, Bell, Bibeau, Bowdon, Brain, Brodkin, Bryan, Cavanagh, Curtis, Ethridge, Frongillo, Gonrad, Hepner, Hollic, Ives, King, Kyle, Launier, Marinara, Martin, Mohrenne, Murray, Owens, Richardson, Ringfield, Rodriguez-Milanes, Saper, Schell, Schultz, Scott, Slack, Tripp, Uttich, Wallace, Wardle, Weaver, Young

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, Public and Professional Writing (certificate), Professional Writing (Graduate certificate)

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### School of Visual Arts and Design

**Interim Director:** Paul Lartonoix  
**VAB 117; 407-823-2676**  
**E-mail:** svad@mail.ucf.edu  
**http://www.svad.ucf.edu**


The School of Visual Arts and Design combines traditional studio arts, design, and art history with emerging media concepts that are the foundation of animation, game and interactive design. The traditional art forms of painting, drawing, photography, ceramics and sculpture continue to supply core skills necessary to pursue professional careers in both new and traditional media occupations. When these skills are integrated with interactive design principles and programming, students acquire a highly marketable body of knowledge leading to solid careers in industry or in creative research.

**Degrees:** Architecture (BD), Art (BA, BFA, MFA), Digital Media (BA, MA)  
**Tracks:** Art History, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design  
**Minors:** Art History, Digital Media, Studio Art

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### Women’s Studies: Program

**Program Director:** M.C. Santana  
**CNH 411; 407-823-6502**  
**E-mail:** womensst@ucf.edu  
**http://www.womensstudies.cah.ucf.edu**

**Faculty:** Preston, 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.oeas.ucf.edu/alc/alc_students_cahum.htm
College of Business Administration

Interim Dean: Foard F. Jones
BA 230: 407-823-2181
http://web.bus.ucf.edu

Associate Dean: E. Taylor Ellis
BA2 101-W: 407-823-2187
Interim Associate Dean: TBA
BA 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 Public Community College, 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 and CLAS.

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 community colleges 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.
Advisement

Undergraduate Student Services

Director: Randall Brumfield
BA 2 101; 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 BAII 101 or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/uss/

Programs and Degrees

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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, Benfors, Bobek, Desai, Durham, Dywer, Goldwater, Hampton, Hornik, Judd, Kelliher, Klintworth, Lako, Robb, Roberts, Roush, Smith, Sutton, Trompeter, Veit, Welch

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 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

Department of Economics

Chair: TBA
BA 2 305-D; 407-823-3266;
E-mail: economics@bus.ucf.edu

Faculty: Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzent, Gerking, Gibbs, Harrison, Hoffer, Martin, McHone, Milton, Moore, Pennington, Potter, Rutstrom, Scrogin, Soskin, Underwood, White, Yang

Faculty Advisors:
Michael Caputo
BA 2 302Q; 407-823-1405
E-mail: mcaputo@bus.ucf.edu;
D. Scrogin
BA 2 302U, 407-823-4129

N. Underwood
BA 2 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 pro-
vides 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 profes-
sional 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 bet-
ter understand the economic and non-economic issues that are con-
fronted in their jobs and their private lives and to provide the analytical
skills that will allow them to resolve them.

The Department also offers an accelerated undergraduate/graduate
program for highly qualified majors in Economics. The Economics
BA/MS program provides a broad liberal arts education and leads to a
graduate degree in 5 years.

**Distinctive Benefits**
- Flexible Curriculum: Students tailor the program to their individual
interests through a large selection of tracks and 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, MS, Ph.D.)

**Minors:** Economics, Economics Policy

**Department of Finance**

*Chair: A. Byrd*

BA 409; 407-823-3575

*Faculty:* Ajayi, Anderson, Borde, Botts, Byrd, Chen, Choi, Cerrito,
Frye, Gatchev, Gilkeson, Gregg, Park, Ramanlal, Schnitzlein, Singer,
Smith, Sweo, Sturm, Weaver, White

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 finan-
cial 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 cor-
porate financial management, commercial banking, real estate,
investment management and counseling, investment banking,
mortgage banking, multinational business, insurance and govern-
ment.
- 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
advice in the Department of Economics. 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: Steven Goodman*

BA 335; 407-823-2679

*Faculty:* Ambrose, Becker, Blencoe, Boettcher, Cleavenger, Connell,
Fulger, C. Ford, R. Ford, Harris, Holland, Keon, McDonald, Migenes,
Nichols, O’Neal, Pushinski La, Pushinskii, L, Quinn, Rockmore,
Schminke, Tzabar, 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
excellent opportunities that present. To learn about man-
agement, 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 con-
tentrate in specialized areas of Entrepreneurship and Human
Resource Management, or 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 General Management track prepares students for a career that
involves decision making responsibilities regardless of organization or
assignment. The department goal is to emphasize the expertise,
knowledge and skills necessary to be not only a team player, but ide-
ally a team leader. Whether the student is studying leadership, motiva-
tion, staffing, or international management, the curriculum will sharpen
students’ skills in problem identification, analysis, and solution. The
General Management track can lead to a variety of rewarding careers
in management positions throughout the organization. The depart-
ment offers more specialized training - using the same approach - via
our Human Resource Management track. Career paths include posi-
tions 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 special-
ized 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

industries, and from among a multitude of career paths.

**Department of Marketing**

*Chair: R. Michaels*

BA 307; 407-823-2108

http://www.bus.ucf.edu/marketing/

*Faculty:* Allen, Davis, Desiraju, Ganesh, Gundy, He, Howatt, Joshi,
Krishnamoorthy, Mao, Massiah, Mayfield-Garcia, Michaels, Souder,
Stock

The Marketing major at UCF provides a superior education in the
foundations of marketing such as research, consumer behavior, pro-
essional selling, management, and strategy. A wide assortment of
electives is designed to let each student round out his/her education
according to specific career interests, whether that might be retailing,
advertising, e-business, research, sales, sport marketing, healthcare,
entertainment marketing or professional services. Internships are also
readily available, and count as a marketing elective. Skills emphasized
and developed throughout the curriculum are teamwork, communica-
tion, creativity, quantitative analysis, computer skills, problem solving,
decision-making, and thinking globally.

The department’s newest offering is the Professional Selling Program,
which is a track within the major. Submission to the program is com-
petitive in the Spring of each year; application and interview are
required. Additional information about the program can be found on
the Department’s web site.
A great benefit for Marketing majors is the opportunity to earn a certificate in any of seven areas of career interest: Selling and Sales Management, Retailing Management, E-Marketing, Sport Marketing Management, Healthcare Marketing, Entertainment Marketing and Services Marketing. Students can design a personalized certificate program combining elective courses with an internship that will enhance their value to potential employers.

The department offers a 19-hour minor in Marketing. This course of study provides a strong basic education in Marketing for 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 student with any major.

Marketing is vitally important to all organizations and individuals, from global corporations to small businesses, from CEOs to the proprietors of small retail stores, from global manufacturing operations to a new dot com startup. Nearly one-third of the civilian work force in the United States is employed in jobs related to marketing. Marketing offers a variety of interesting and challenging career opportunities, such as professional selling, retailing, advertising, marketing research, sport marketing, distribution and logistics, purchasing, and e-business. In addition, students with marketing degrees may find excellent job prospects in international markets. Marketing career opportunities also exist in a variety of non-business organizations, including hospitals, museums, universities, and government and social service agencies. Marketing also provides a strong career foundation for movement into top management positions.

**Distinctive Benefits**
- Curriculum for marketing majors recognized as one of the most innovative in the country.
- Professional Selling Program track offered within the major—competitive entry.
- Seven certificate programs are available for marketing majors.
- A 19-hour marketing minor is available for students with other majors.
- Seventeen dynamic faculty members are among the strongest teachers in the college.
- Comprehensive course offering each semester and summer - you can finish.
- Strong emphasis on preparing students for marketing management careers.
- Approximately 15 scholarships awarded annually on a competitive basis.
- Opportunities to participate in honors in the major and internships.
- Opportunities to participate in student chapters of The Society for Marketing Professional Services (SMPS) 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/](http://www.bus.ucf.edu/marketing/) or call 407-823-2108. Department 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.oears.ucf.edu/alc/alc_students_cba.htm](http://www.oears.ucf.edu/alc/alc_students_cba.htm)
The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary/K-12, exceptional education, technical education and industry training, and sport and exercise science professions. The College of Education is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education 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
Exceptional Student Education
Foreign Language Education
Mathematics Education
Science Education
Social Science Education
Sport and Exercise Science
Technical Education and Industry Training

Success to Significance
- America’s 100 Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State and National Accreditation
- Proven and promising practices
- Partnerships with twelve Central Florida school districts
- 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
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Academy for Teaching, Learning and Leadership
- Toni Jennings Exceptional Education Institute
- 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
- Majors in Early Childhood, Elementary, Exceptional and English Language Arts Education 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

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 community college 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 and/or CLAS.
- 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 education common program prerequisite area.

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 Public Community College 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. Meet college advising representatives in a group setting during Orientation to:
   - Discuss College of Education admission requirements needed for enrollment in upper division education classes
   - Review degree program requirements
   - Understand expectations and responsibilities associated with a career in education
2. Be advised by the College of Education Academic Advising Center (ED 115) if their major is Education Pending. An appointment is recommended 407-823-3723.
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education 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.
4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education 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;
4. Purchase and 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 Student Affairs

Located in the Education Complex in Suite 110, the Office of Student Affairs is dedicated to facilitating the success of students seeking advisement, assistance, and support in the College of Education. The Office of Student Affairs is composed of Clinical Experiences, Minority Teacher Recruitment and Retention Program (MTRRP), Student Services, and the Academic Advising Center.

Mission Statement
The mission of the College of Education Office of Student Affairs is to provide seamless services and resources to current and prospective students including recruitment, pre-advising, orientation, program advising, financial assistance, internships, graduation certification, and graduate education. To promote student success, we collaborate with and support College of Education faculty, administrators, and community partners.

Clinical Experiences

Director: Bryan Zugelder
ED 110, 407-823-2518
http://www.education.ucf.edu/clinicalxp/

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’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education’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 prerequisite (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 certified supervising teachers. Students are enrolled in a limited number of related professional courses during the experience. 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 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.
- The Early Childhood Education program includes a seminar/field experience course in lieu of Internship I.

NOTE: It is highly recommended that students take and pass the FTCE Subject Area Examination before applying for Internship II.

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 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 before applying for Internship II.
- Possess a minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors).
- 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. (A minimum of 2.75 GPA is required for Early Childhood Education majors.)  
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  
Some programs require that all methods and specialization courses shall be completed prior to Internship II. Students must also be approved for admission by the faculty in the department of the student’s major. The Internship II experience is completed locally and is arranged by the Office of Clinical Experiences.  
*A program may specify a different GPA requirement for admission

**Minority Teacher Recruitment and Retention Program (MTRRP)**
Caroline Marrett  
ED 110; 407-823-4409  
http://education.ucf.edu/mtrrp/  

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 as a degree-seeking undergraduate student  
- Minimum semester and overall grade point average of 2.5  
- Must be enrolled full-time  
- Submit Scholarship Application  
- Interview with the Scholarship Application Review Committee

**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 Teacher Education.
**Department of Educational and Human Sciences**

Chair: Anne McDonald Culp  
ED 209-E; 407-823-1272  
Academic Administrator: Roanne G. Brice  
ED 206-H; 407-823-0664  


Undergraduate academic major programs leading to bachelor's degrees and/or certification are offered in Child, Family and Community Sciences. Students are responsible for completion of program requirements and are highly encouraged to review their programs with an assigned advisor.

Students who major in Early Childhood Development and Education can select a teaching track or a child development track. Those who select the teaching track are qualified to teach Pre-Kindergarten through grade 3 upon graduation and receipt of a Pre-Kindergarten through Primary Florida Teaching Certificate.

Students in the Early Childhood Development Track are interested in working with young children and parents. These students are not seeking teacher certification. This track prepares reflective, competent, and caring professionals to work with a diverse population of young children using research-based, developmentally appropriate practices.

Students majoring in Exceptional Student Education are qualified to teach K-12 in Exceptional Student Education upon graduation and receipt of a Florida Teaching Certificate.

Students majoring in Sport and Exercise Science can select from two specializations: Sport Leadership and Exercise Science. Within the two specializations, students select one of the following: coaching, recreation, human performance, strength and conditioning or children's physical activity and movement.

Several graduate level programs are available in the department:

- Early Childhood Development and Education, M.S.  
  [http://education.ucf.edu/programs.cfm?ProgDeptID=41&ProgID=117](http://education.ucf.edu/programs.cfm?ProgDeptID=41&ProgID=117)

- Exceptional Student Education M.A. or M.Ed.  
  [http://education.ucf.edu/exed/](http://education.ucf.edu/exed/)

- Sport and Exercise Science, M.S.  
  [http://education.ucf.edu/sportexscience/](http://education.ucf.edu/sportexscience/)

See individual program Web sites and the graduate catalog for additional details. You can start by going to the Department’s website:  
[http://education.ucf.edu/departments.cfm](http://education.ucf.edu/departments.cfm)

**Department of Educational and Human Sciences**

Chair: Grant Hayes  
ED 209-H; 407-823-6106  
Academic Administrator: Brenda Thompson  
ED 206-E; 407-823-6579  
[http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences](http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences)

**Faculty:** Atkinson, Bai, Beverly, Boyd, Butler, Cintron, Clark, Daire, Edwards, Hagedorn, Hahs-Vaughn, Hiruni, Hundley, Jones, Lambie, Miller, Owens, Robinson, Sivo, Snider, Taub, Van-Horn, Whiteman, Witta, Xu, Young

The Department of Educational and Human Sciences (EHS) is primarily a graduate department that offers courses and graduate programs in Counselor Education & School Psychology, Higher Education & Policy Studies and Research, Measurement & Evaluation. The Department also offers a number of graduate certificate programs and provides graduate courses in educational re-search, measurement and statistics that are required courses or electives in a number of programs offered in other divisions in the college.

EHS is guided by the University mission: "achieving international prominence in key graduate education and research programs, developing a global perspective in the curriculum, promoting inclusiveness and diversity, and helping UCF become America’s leading partnership university; and by the College of Education’s vision of “scholarly leadership in the education profession, well-educated students, rigorous curricula, research and scholarship, promotion of social justice, and service.”

**School of Teaching, Learning and Leadership**

Co-Director: Karen L. Biraimah  
ED 209-B; 407-823-2426  
Co-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 of Teaching, Learning and Leadership)

Faculty Administrators and Coordinators:  
Janet Zajac  
ED 206-C; 407-823-0523  
Maria Cox  
ED 206-D; 407-823-1763  
Melissa Feyer  
ED 209-C; 407-823-0303  
Lindsay Archambault  
ED 206-F; 407-823-2881


**Elementary Education**

The Elementary Education program is designed for prospective teachers interested in the education of children, who are primarily five through twelve years of age. Students who major in elementary education are qualified to teach grades kindergarten through six upon graduation and receipt of a Florida teaching certificate.

**Secondary Education**

Programs in this area are designed for prospective teachers interested in working with students in a specific academic area in middle/junior high school or high school. Specialization is available in Biology, Chemistry, English, Mathematics, Physics, and Social Science Education. Programs are available in K-12 areas such as Art Education, Reading Education, Foreign Language Education (French or Spanish) and ESOL Education.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education are located at: [http://oecs.ucf.edu/acl/acl_students_coe.htm](http://oecs.ucf.edu/acl/acl_students_coe.htm)
College of Engineering and Computer Science

Dean: Marwan Simaan
HEC 114; 407-823-2156
http://www.cecs.ucf.edu

Associate Dean for Academic Affairs: Charles Reilly
ENGR 107; 407-823-2455

Associate Dean for Research and Administration: Louis Chow
ENG2 202; 407-823-2156

Assistant Dean for Distributed and Distance Learning:
Alfred Ducharme; ENGR 289; 407-823-5765

Director, Academic Affairs: Melissa A. Dagley
ENGR 107; 407-823-2455

Director, College Honors Programs: Donald Malocha
ENGR 114; 407-823-2414

Director, Educational Partnerships: Bruce Furino
ENGR 281; 407-823-4927

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  BSConfE  BSEE  BSE  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.

The 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 four 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, and the Mechanical, Materials and Aerospace Engineering (MMAE) 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, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700.

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, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700.

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 (HM).

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 Donald Malocha, Engineering Building 1, Room 114. 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 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 the listing for that department on the following pages of this catalog.

Department of Civil, Environmental, and Construction Engineering

Chair: Lakshmi N. Reddi
ENG2 211; 407-823-2841
http://www.cece.ucf.edu

Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Cooper, Duranceau, Hagen, Mackie, Madani, Nnadi, Oloufa, Radwan, Randall, Reddi, Reinhardt, Wang, Yun, Zhang

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 synthesizes 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.
Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.

Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.

Graduates will demonstrate the ability to work in teams to solve engineering problems.

Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.

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.

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 synthesizes 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:

1. 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.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed 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 synthesizes 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 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:

1. 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.
2. 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.
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 systems, networking paradigms, operating systems, parallel processing, quantum computing, software engineering and VLSI design tools and hardware algorithms.

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 maintenance engineer.
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 computer and software systems and their 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 complex.
ity 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 design and develop 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 the 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 hardware, software, 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 with 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 deal with the subject areas and 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
1. To prepare IT graduates with the knowledge and skills necessary to be effective professional contributors or leaders in the design, administration and management of information technology systems, databases and networks commonly used by industry, government, education, research and non-profit organizations.

2. To prepare IT graduates for professional careers in roles including, but not limited to, the following: IT manager, IT systems analyst, network designer, network administrator, network security administrator, web applications developer, webmaster, database administrator, IT project lead, IT quality assurance.

3. To equip IT graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical users of information technology systems and applications.

4. To prepare IT graduates with the knowledge and skills to conduct advanced studies and research in disciplines for web-based applications, networking, information storage and retrieval, IT security, and electronic commerce.

Program Outcomes
1. Demonstrate expertise in the main content knowledge of information technology.

2. Effectively use information science and technology frameworks (concepts, principles, methods, languages and theories) to design, analyze, and construct solutions for a network-based environment.

3. Effectively apply scientific and mathematical principles, methods and techniques to the research and development of emerging technologies in the computing field.

4. Critically analyze and apply a range of information science and systems concepts, principles, and practices in the context of solving problems across a range of information technology problem domains.

5. Develop computer-based applications using the information technology body of knowledge.

6. Employ terminology for information technology accurately and effectively.

7. Use technical writing effectively and professionally for varied audiences.

8. Discover technical material through oral presentations of information technology related topics.

9. Effectively work on teams and critically analyze impact of IT on individuals, organizations, and society.

10. Understand roles and responsibilities of IT on issues related to profession, security, legal, ethics, society, and professional development.

Electrical and Computer Engineering Division
Interim Chair: Zhihua Qu
HEC 439C; 407-823-2787

Faculty: Batarseh, Behal, DeMara, Georgiopoulos, Gong, Haralambous, Jones, Kasparis, Lee, Lin, Liu, Loffillard, Malocha, Mikhail, Qu, Richie, Shen, Simaan, Sundaram, 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 4767C and EEL 4768C), Computer Science I (COP 3502) 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,
College of Engineering and Computer Science

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

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 3567), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4767C), 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 e-mail and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems
Chair: Waldemar Karwowoski
ENG2 312; 407-823-2204; Fax: 407-823-3413
Faculty: Calabrese, Crompton-Young, Elshennawy, Geiger, Hoekstra, Karwowoski, Kotnour, Lee, McCauley-Bush, Mollaghasemi, Nazzal, Pet-Armacost, Proctor, Rabelo, Reilly, Sala-Diakanda, Sepulveda, Thompson, Williams

Industrial Engineers work to continuously improve the design of systems, processes, or products. 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 product flows in EIN 3355, to facilities design and layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4516 and 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 capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to multidisciplinary team efforts.
7. To produce graduates who are responsible to the industrial engineering profession and to our modern global society.
8. To produce graduates who value life-long learning.

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 explore options for professional growth, including graduate study, conference attendance, and professional society participation.
10. 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.


Department of Mechanical, Materials, and Aerospace Engineering

Chair: Suhada Jayasuriya
ENGR 307; 407-823-2416; Fax: 407-823-0208

The Department of Mechanical, Materials, 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, mechanical systems and materials, including topics such as solid mechanics, machine design, vibrations, CAD/CAM/FEM, feedback control and mechatronics, 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 providing 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 produce graduates with skills enabling them to be productive in their chosen career. These skills 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, etc.
2. A broad understanding of engineering, and scientific principles and 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 government, industry, and other institutions, 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, energy systems, or materials, and will have a command of corresponding engineering principles. Among the career opportunities are power generation, mobility engineering, manufacturing, nuclear applications, from A to Z.

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 prepare 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, energy systems or material engineering 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.

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.

Reserve Officer Training Corps
Air Force ROTC (Aerospace Studies)
Chair: Col. Michael J. Chandler
Trailer 501, Room 103; 407-823-1247; Fax: 407-823-2265
Faculty/Staff: Captain Gray, Captain Lehmann, Captain Johnson, MSGt Fields, SSgt Sutton, and Mrs. Fioramanti, 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 four-year, three-year, and two and a half-year Air Force ROTC programs. The four and three-year program provides on-campus study during the freshman through senior years. The two and a half-year program allows community college transfer students and other students with two and a half academic years remaining in either undergraduate or graduate status to earn an Air Force commission while completing their studies. 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 complete 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
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course (either four or five weeks)

Acknowledgement in the Air Force Reserve certifying agreement to complete the POC and accept an Air Force Commission. This acknowledgement is terminated upon receipt of a commission.

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. For additional information on Air Force ROTC call 407-823-1247 or visit our web site at http://airforce.ucf.edu or e-mail us at AFROTC@mail.ucf.edu. This information is subject to change.

Summer Training
All students must attend a summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL. This course includes junior officer training, officer career orientation, and physical conditioning. Students enrolled in the four-year AFROTC program will attend a four-week summer course, normally upon completion of the General Military Course. A five-week summer course, which includes a modified version of the General Military Course, is required for...
students entering the two and a half-year AFROTC program. These students must complete their summer training prior to their formal enrollment in the Professional Officer Course curriculum. These students need to contact the department early in the Fall prior to the Summer Field Training.

Officer Commissioning
Students who complete the Professional Officer Course are appointed to Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they will serve a minimum 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 Sean Morgan
Faculty/Staff: LTC (R) Morales, MAJ Celeste, MAJ Smith, CPT Hall, 1LT Alexander, MSG Coella, SFC Satchell, Ms. Brown, Ms. Connor, Mr. Rivera; Ms. Martin, Office Manager; 407-823-2430, Fax: 407-823-5324
http://army.ucf.edu

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. Students must complete a guaranteed Army ROTC 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 1001, 1002, 2101, 2102). 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 3101, 3202, 4301, 4302) consists of four semesters of classroom instruction of two hours each week and a two hours 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 who want to pursue a commission as a Second Lieutenant must meet pre-requisite requirements to contract and must obtain permission from the department chair 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 for 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, $450.00 during the Junior year and $500.00 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/aic/aic_students_coecs.htm
College of Health and Public Affairs
Dean: Michael L. Frumkin
HPA 365, 407-823-0171
http://www.cohpa.ucf.edu

Associate Dean, Graduate Studies and Technology:
Ronnie Korosec, HPA 365; 407-823-0171

Associate Dean, Research: Thomas Wan
BNT 108; 407-823-0170

Associate Dean, Student/Personnel Affairs: Melvin Rogers
HPA 365; 407-823-0171

Associate Dean, Undergraduate Studies: Pamela E. Kirby
HPA 365, 407-823-0171

The College of Health and Public Affairs houses seven departments and schools: the School of Social Work, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, Health Management & Informatics, and Public Administration.

The College fosters excellence in undergraduate and graduate education, research and community service in health, social services and justice and offers an interdisciplinary PhD program in Public Affairs.

General Requirements for the Bachelor's Degree

Some Schools, Departments or Programs in the College are upper division, limited access or restricted programs. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, Health Management & Informatics, and Public Administration.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the desired School, Program, Department, or College website.

The following Departments and Programs do not have restrictions on admissions: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration, Health Sciences - Pre-Clinical Track, and Health Services Administration.

Academic Advisement
Undergraduate Student Services
Director: Mariangelly Rente
HPA2 115, 407-823-0010
E-mail: hpainfo@mail.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
Criminal Justice     BA, BS, MA
Health Informatics and Information Management     BA, BS, MS
Healthcare Informatics     BS
Health Sciences - Pre-Clinical Track     MS
Health Services Administration     BS, MS
Legal Studies     BA, BS
Public Administration     BA, BS, MPA, MNM
Public Affairs     PhD
Physical Therapy     DPT
Social Work     BSW, MSW
Department of Communication Sciences and Disorders

Chair: TBA
HPA2 101, 407-823-4798
http://www.cohpa.ucf.edu/comdis

Clinic Director: Janet Whiteside
Research Pavilion Suite 155, 407-249-4770


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 pathology 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 array of 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

Chair: Robert Langworthy
HPA 311 407-823-2603


The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society. 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.

Degrees: Criminal Justice (BA, BS, MS)

Tracks: None

Minors: Criminal Justice

Department of Health Management and Informatics

Chair: TBA
HPA2 210; 407-823-2359


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

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.

Persons within the health care industry with associate of science degrees in areas such as nursing, respiratory therapy, radiologic technologies, medical laboratory technology, dental hygiene, and others may find this program provides a migration path from the clinical side of the health care industry to the leadership side. Students willing to develop a background in the health care industry can build a solid understanding of the complexity of managing health services organizations.

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 HIM 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).

Department of Health Professions

Interim Chair: Kristen Schellhase
HPA 118/119, 407-823-2214


The Department of Health Professions offers a baccalaureate program in Athletic Training as well as in Health Sciences - Pre-Clinical Track for those planning to go on to a graduate clinical professional program.

Program in Athletic Training

This is a competitive program that requires a separate application process following acceptance into the University. Consent from the program director is required. Admission to the Athletic Training program requires a minimum overall GPA of 2.75. In addition, for admission a minimum grade of “C” (2.0) is required for all prerequisite courses and a minimum grade of “C” (2.0) is required for all required courses within the program. The program is accredited by the national professional association and graduates are prepared to take the examination for certification. 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 educ-
The range of employment opportunities is extraordinary and includes a variety of positions in government and other nonprofit organizations. Those with jobs available in nearly every area of specialization. For instance, there are numerous public and nonprofit employment opportunities available for law-related careers, providing a foundation for law school or other graduate education. All of the full time Legal Studies faculty are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science degrees with majors in Public Administration enable students to attain 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 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 Social Work Program. If a student wishes to pursue their academic endeavors further, the Social Work Program offers a Master’s in Social Work.

The Department of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management. 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 Department of Public Administration offers a variety of degrees, staff positions in environmental protection, homeland security, human resources, nonprofit management, urban planning, economic development, policy and administration and emergency management, among others. The salaries are generally competitive with private industry, despite common misconceptions to the contrary. Employment in the public and nonprofit sector provides graduates with the opportunity “to make a difference” in their communities on a national, state or local level.

**Degrees:** Public Administration (BA, BS, MPA, MNM)

**Tracks:** None

**Minors:** Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Non-Profit Management Minor with American Humanities National Certification Program

**Certificates:** Nonprofit Management

**School of Social Work**

**Director:** John Ronnau

HPA 204; 407-823-2114

**Faculty:** Abel, Buckey, Burg, Gammonley, Hall, Kohn, Lawrence, Leon, Molina, Ramos, Rothenberg, Steen, Walsh, Wither.

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 work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

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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/aic/aic_students_cohpa.htm](http://oeas.ucf.edu/aic/aic_students_cohpa.htm)
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: Richard Peppler
COM 313J; 407-266-1101

Director, Burnett School of Biomedical Sciences: Pappachan Kolattukudy
BL 136; 407-823-1312; Fax: 407-823-0956

Assistant Dean, Undergraduate Medical Education: Jonathan Kibble
Assistant Dean, Undergraduate Medical Education; Lori Boardman
Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White
HPA2 335J; 407-823-5932; Fax 407-823-3095

UCF College of Medicine offers the second largest undergraduate program in the university through its Burnett School of Biomedical Sciences. The college currently includes an M.D. program and undergraduate and advanced degree programs in biomedical sciences. The Burnett School of Biomedical Sciences 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. The school 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 focused on cancer and cardiovascular, neurological, and infectious diseases. In addition to conducting cutting edge research in biomedicine with potential application to curing major diseases, the School 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 2,350 undergraduate majors in the biomedical sciences including Biotechnology, Medical Laboratory Sciences, and Biomedical Sciences (the second largest major in the university). The school 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 110 master’s and doctoral students. 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 100 M.D. students.

In addition to facilities on the main Orlando campus that support the undergraduate and graduate programs, 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**

<table>
<thead>
<tr>
<th>Program</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Biomedical Sciences</td>
<td>B.S., M.S., Minor</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>B.S., M.S., M.S./M.B.A.</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>B.S.</td>
</tr>
<tr>
<td>Biomedical Sciences</td>
<td>Ph.D.</td>
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<tr>
<td>Medicine</td>
<td>M.D.</td>
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**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 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**
**Director:** P.E. Kolattukudy  
BL 136; 407-823-1312; Fax: 407-823-0956  
**Associate Director of Academic Affairs:** Roseann White  
HPA2 335J; 407-823-5932; Fax: 407-823-3095

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Biomedical Sciences (formerly Molecular Biology and Microbiology) 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. The School also offers M.S. programs in Biomedical Sciences, and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in the Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advisement Office (HPA2), 407-823-2670, to assist in the preparation of applicants for admission to professional schools in health sciences. At this time, the School has approximately 2,350 undergraduate students and 110 graduate students. Faculty and students are conducting research in cancer, cardiovascular, neurodegenerative, and infectious diseases. 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**
(Formerly Molecular Biology and Microbiology)
**Undergraduate Coordinator:** Doryl Hitchcock  
HPA2 335A; 407-823-5932  
**Graduate Coordinator:** Saleh Naser  
BL 221; 407-823-0956

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 mechanism of 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.)  
Biomedical Sciences Preprofessional Concentration (B.S.)

**Tracks:** None  
**Minors:** Biomedical Sciences

**Program in Biotechnology**
**Director and Graduate Coordinator:** Henry Daniell  
BL 336; 407-823-5932

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 program 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 with 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:** Doryl Hitchcock  
HPA2 335A; 407-823-5932

Medical technologists may be 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. Also, it 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-8410 Bryn Mawr Ave., Ste 670, Chicago, IL 60631) 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)**
**Assistant Director:** Amanda Colee  
HPA2 335A; 407-823-4812;  
**Academic Advisor:** Cynthia Contreras  
HPA2 336; 407-823-5767;  
**Academic Advisor:** Ana Maria Schwindt  
HPA2 337; 407-823-1259  
E-mail: 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  
HPA 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_bobs.htm](http://oeas.ucf.edu/alc/alc_students_bobs.htm)
College of Nursing

Dean: Jean Leuner
UTWR 3RD floor; 407-823-5496

Associate Dean Undergraduate Affairs: Linda Hennig
UTWR 3rd floor; 407-823-4941

Associate Dean Graduate Affairs Susan Chase
UTWR 3rd floor; 407-823-3079

E-mail: ucfnurse@mail.ucf.edu
http://www.nursing.ucf.edu


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 1961. The college has achieved prominence as an innovator in nursing education, responding to a changing population with complex health 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. RNs may submit applications during any semester. 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 cornerstone clinical residency year.

The College of Nursing BSN, MSN and PhD 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
E-mail: ucfnurse@mail.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
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh
CROL 206; 407-823-6800
E-mail: info@creol.ucf.edu
http://www.creol.ucf.edu

The College of Optics and Photonics is a graduate school for research and education in optics, lasers, and photonics. CREOL (Center for Research and Education in Optics and Lasers), FPCE (Florida Photonics Center of Excellence), and the Townes Laser Institute (TLI) are research centers within the College, but CREOL predates the College by many years and we are best known internationally under this name. CREOL 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.

CREOL, FPCE, and TLI are the research arms of the College, which offers Masters (MS) and Doctoral (Ph.D.) Degrees in Optics. CREOL has become an internationally recognized institute with 43 faculty members, 69 Ph.D. level research scientists, and 146 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 $45 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 Incubator Program.

The research activities span the spectrum from basic science to prototype development. 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: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, quantum optics, and light-matter interaction.

These programs are supported by over $11 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $22,000 to $28,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 60 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.
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 52 undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs. For information concerning graduate programs, please refer to the Graduate Catalog: http://graduate.ucf.edu/currentGradCatalog/

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. 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.

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
E-mail: cosas@mail.ucf.edu
http://undergrad.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. 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
Astronomy | Minor, BS Track
Behavioral Forensics | Certificate
Biology | BS, MS, Minor
Biochemistry | BS Concentration
Biomedical Sciences | PhD
Chemistry | BS, MS, PhD, Minor
Communication | MA
Conservation Biology | PSM, PhD
Data mining | Certificate
Diplomacy | Certificate
Diversity & Social Inequality | Minor
European Studies | Minor
Forensic Science | BS, MS
International & Global Studies | BA, Minor
Interpersonal/Organizational Communication | BA, Minor
Journalism | BA
Journals | Minor
Magazine Journalism | Minor
Mass Communication | Minor
Mass Culture & Collective Behavior | Minor
Mathematics | BS, Certificate, MS, PhD, Minor
Maya Studies | Certificate
Medical Anthropology | Minor
Medical Sociology | Minor
North American Indian Studies | Minor
Physics | BS, Certificate, MS, PhD, Minor
Political Science | BA, MA, Minor
Political Science-Pre Law | BA Track, Minor
Psychology | BS, MA, MS, PhD, Minor
Radio-Television | BA
Social Sciences Interdisciplinary | BS
Sociology | BA, MA, PhD, Minor
Statistics | BS, MS, Minor

Degrees: Anthropology (BA, MA)

Minors: Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Medical Anthropology, Native American Indian Studies

Certificates: Crime Scene Investigation (undergraduate), Maya Studies (graduate)

Department of Biology

Chair: C. Ross Hinkle
BL 301; 407-823-2141
E-mail: biology@ucf.edu
http://biology.cos.ucf.edu/

Faculty: Bayer, Bohlen, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Klowden, Lodigio, Manjerovic, Noss, Parkinson, Quin-tana-Ascencio, Song, Soter-Esteva, Stern, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Weishampel, Worthy; Professors Emeritus: Ehrhart, Ellis, Kuhn, Koenenig, 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
CH 117; 407-823-2246
E-mail: chemstaf@mail.ucf.edu
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino
CH 107A; 407-823-2246

Faculty: Ballantyne, Belfield, Blair, Campiglia, Clausen, Datta-Gupta, Diaz, Dixon, Elsheimer, Frazer, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kolpashchikov, Kuebler, Kujawa, Liao, Mattson, Miles, Miller, Patino, Richardson, Sigman, Ye, 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 Industrial 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: Chemistry, Biochemistry, Forensic Analysis, Forensic Biochemistry

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;
E-mail: nassc@mail.ucf.edu

Faculty: Akitia, Bagley, Barfield, Bledsoe, Brown, Bronson, Butler, Chandler, Collins, Coombs, Davis, DeLorme, Dusseau, Graham,
Specializations:
Journalism (BA), Radio-Television (BA)
Interpersonal-Organizational Communication (BA),

1. Advertising-Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.

2. Interpersonal-Organizational 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 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 Interpersonal-Organizational (I-O) Communication program has a presentational speaking classroom equipped for audio/ video record/playback and computerized visual presentation. The I-O 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), Interpersonal-Organizational Communication (BA), Journalism (BA), Radio-Television (BA)
Specializations: Broadcast Journalism, Production, Broadcast Generalist
Minors: Journalism Studies, Interpersonal-Organizational Communication, Magazine Journalism, Mass Communication

Department of Mathematics
Chair: Piotr Mikusinski
MAP 209; 407-823-2826
E-mail: math@mail.ucf.edu
http://math.ucf.edu

Associate Chair/Undergraduate Coordinator: Joseph P. Brennan
MAP 215A; 407-823-5700

Faculty:
Brennan, Cannon, Carlson, Capursi, Choudhury, Clarke, Cleary, Davis, Dunlop-Pyle, Dutkay, Griffiths, Han, Higgins, Islas, Ismail, Kassab, Katsevich, Kaup, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Nevai, Pensky, Pennmons, Qi, Reid, Ren, Richardson, Rolls, Schober, Schweitzer, Shah, Shivanmoggi, Skripka, Song, Sun, Swanson, Tamason, Taylor, Tovbis, Vajravelu, Wocjan, Yong, Young, Zinchenko, 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 requirements. A limited number of student assistantships are available for qualified graduate students.

Degrees: Mathematics (BS, MS, PhD)
Certificate: Mathematics
Tracks: Applied Mathematics, Computational Mathematics, Engineering/Physics, Mathematical Economics, Pure Mathematics

Minors: Mathematics

Department of Physics
Chair: Talat Rahman
PS 430A; 407-823-5785
E-mail: physics@ucf.edu
http://physics.cos.ucf.edu/

Associate Chair: Joshua Colwell
PS 434; 407-823-2012

Faculty:
Al-Rawi, Bhatcharya, Bindell, Britt, Bruceknner, Campins, Chang, Chemyak, Chini, Chow, Colwell, Cooney, Del Barco, Dubey, Ethimiou, Fernandez, Filisiyan, Harrington, Heinrich, Ishigami, Johnson, Kara, Khondaker, Kliem, Kokouline, Leuenberger, Luo, Martin, Montgomery, Mucciolo, Peale, Rahman, Roldan-Cuenya, Saha, Schelling, Schulte, Stolbov, Tatulian, Tonner, Velissaris, Zhmudskyy; 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 that 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, Materials Physics, Optics & Lasers, Computational Physics, Astronomy

Minors: Astronomy, Physics

Department of Political Science
Chair: TBA
PH 302; 407-823-2608
E-mail: politics@ucf.edu
http://politicalscience.cos.ucf.edu/

Associate Chair: TBA
PH 302; 407-823-2608
College of Sciences


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:

- Asian Studies: Contact Houman Sadri, Quan Li, or Myunghee Kim.
- Environmental Studies: Contact Dwight Kiel or Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global and International Studies: Contact Waltraud Q. Morales or Roger Handberg or Aubrey Jewett.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson.
- Space Studies: Contact Roger Handberg.
- Women’s Studies: Contact Terri S. Fine.

Degrees: Political Science (BA, MA), International and Global Studies (BA)

Tracks: American Politics, International Relations & Comparative Politics, Prelaw

Minors: Political Science, Political Science/Prelaw, European Studies, International and Global Studies

Certificates: Diplomacy Certificate

Department of Psychology

Chair: TBA
PSY 301L; 407-823-2216
E-mail: psychology@ucf.edu
http://psychology.cos.ucf.edu/

Associate Chair: TBA
PSY 301; 407-823-2216

Faculty: Azimi, Bedwell, Beidel, Berman, Brophy, Cassisi, Chin, Cox, DeChurch, Dibayo, M. Dunn, S. Dunn, Fouty, Fritzschke, Ghasinejad, Gilson, Hancock, Hernandez, Hickey, Hitt, Janowsky, Jensen, F. Jentsch, K. Jentsch, M. Kennerley, Le, McConnell, McGuire, Mottarella, Mouloua, Murdoch, Negy, Pritchard, Rapport, Reed, Renk, Reynoso, Rinalducci, Salas, Saunders, Shirkey, Storm, Sims, Smither, Szalma, Wang, Whitten, Wooten; Faculty Emeritus: Abbott, Burroughs, Morgan, Rollins, Thomas-Jenkins, Tucker

The Undergraduate Psychology Program has two primary missions: to prepare students for graduate training in psychology or related fields, and to provide the skills needed for students to apply the concepts and methods of psychology in their work, their communities, and their lives.

Degrees: Psychology (BS, MA, MS, PhD)
Tracks: None
Minors: Psychology
Certificates: Behavioral Forensics

Department of Sociology

Chair: TBA
PH 403B; 407-823-3744
http://sociology.ucf.edu/

Associate Chair: J. Jasinski

Faculty: Canan, Sc. Carter, Sh. Carter, Cook, Corzine, Ford, Gay, Grauholz, Huff-Corzin, Jasinski, Lynxwiler, Morris, Mustaine, Pals, Recknwald, Rivera, Sikorska-Simmons, 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 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 Interdisciplinary (BS)
Tracks: Domestic Violence (MA)
Minors: Crime, Law & Deviance, Diversity & Social Inequality, Mass Culture & Collective Behavior, Medical Sociology, Sociology, Social Sciences Interdisciplinary

Department of Statistics

Chair: D. Nickerson
CCII 208; 407-823-5528
http://statistics.cos.ucf.edu/

Faculty: Cutchins, Johnson, Kellison, Modisett, Maboudou-Tchao, Ni, Pensky, Pepe, Ren, Richardson, J. Schott, S. Schott, Su, Uddin, Wang

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
Minors: Statistics, Actuarial Science

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://www.oeas.ucf.edu/alcalc_students_cosci.htm
Office of Undergraduate Studies
Dean: TBA;
MH 218; 407-823-2373
http://www.undergrad.ucf.edu/
Associate Dean: TBA;
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 Faculty Center for Teaching and 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
Associate Dean: TBA
MH 210; 407-823-2691
http://www.academicservices.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
Dean: TBA
MH 218; 407-823-2373
http://www.regionalcampuses.ucf.edu/bas/

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: Sheri Dressler
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 teach co-op and internship courses, facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, and compile and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research. Our primary goal is to ensure that students have access to and include experiential learning courses in their academic 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

Faculty Center for Teaching and Learning
Director: Melody Bowdon
CL1 207; 407-823-3544
http://www.fctl.ucf.edu/

The Faculty Center provides support for all the roles of faculty - excellence in teaching and learning, successful research and creative activities, professional advancement, and collaborative endeavors - through multiple formats including workshops, events, consultations, class observations, online resources, publications, and strategic initiatives. This office coordinates the Academic Orientation for new faculty, university-level Undergraduate Teaching and Advising Awards, Scholarship of Teaching and Learning Awards, and assists with mentoring for faculty success.

McNair Scholars Program
Director: Michael Aldarondo-Jeffries
CC2 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
E-mail: is@mail.ucf.edu
Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Jessica Cheatwood-Alvarez, Jessica Simmons, Marcella 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://www.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, and occupational therapy. 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 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
CC2 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 men-
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


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 49 million tourists each year, has over 400 hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks and attractions. The industry employs a half million people in the State of Florida and many are in the Central Florida area.

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.

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

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
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
Biological Sciences
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 - A.S. to B.S.
Digital Media
Early Childhood Development and Education Track 1: Education - Pre-Kindergarten - Primary
Early Childhood Development and Education Track 2: Early Childhood Development
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
Exceptional Student Education
Film - B.F.A.
Film - Cinema Studies Track
Finance
French
French General Business
French General Business - A.S. to B.S. Track
Health Informatics and Information Management
Health Sciences - Pre-Clinical Track
Health Sciences - Pre-Clinical Track
History
History - Accelerated Undergraduate-Graduate Program
Hospitality Management
Hospitality Management - A.S. to B.S. Track
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
Interpersonal/Organizational Communication
Journalism
Latin American Studies
Legal Studies
Liberal Studies (See Interdisciplinary Studies)
Management
Marketing
Mathematics - Applied Track
Mathematics - Computational Track
Mathematics - Engineering/Physics Track
Mathematics - Mathematical Economics Track
Mathematics - Pure Track
Mathematics Education
Mechanical Engineering
Mechanical Engineering - Accelerated Undergraduate-Graduate Program
Medical Laboratory Sciences
Modern Language Combination
Molecular Biology and Microbiology - Preprofessional Concentration
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.
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
Physics
Political Science
Political Science - Prelaw Track
Psychology
Public Administration
Radio - Television
Real Estate
Religious 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
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
407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the General Education program, Gordon Rule, and CLAS, or an AA Degree from a Florida Public Community College, or a Florida Public University.
- See Common Program Prerequisites.

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required CGS 2100C Computer Fundamentals for Business
   Required MAC 1140 Pre-Calculus Algebra
   D: Social Foundations (6 hrs)
   Select 1: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
   Select 2: Suggested ANT 2000 General Anthropology or Suggested PSY 2012 General Psychology or Suggested SYG 2000 Introduction to Sociology
   E: Science Foundations (6 hrs)
   Select one of the following sequences of courses:
   ECO 3401 Quantitative Business Tools I
   or
   MAC 2333 Concepts of Calculus and STA 2023 Statistical Methods I
   Students must receive a "C" (2.0) or better in both MAC 2333 and STA 2023 to be waived from ECO 3401.

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 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 2333 Concepts of Calculus and STA 2023 Statistical Methods I and
   - Students must receive a "C" (2.0) or better in both MAC 2333 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
   2. GEB 3031L Cornerstone Lab: Professional Skills for Business
   3. UCF 3411 Quantitative Business Tools II
   4. FIN 3403C Business Finance
   5. GEB 3375 Introduction to International Business
   6. MAN 3025 Management of Organizations
   7. MAR 3203 Supply Chain Management
   8. 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 3381 Cost Accounting I 3 hrs
   ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
   ACG 4401C Accounting Information Systems 3 hrs
   ACG 4451 Auditing 3 hrs
   ACG 4803 Contemporary Issues in 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 3 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 3203 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

9. Additional Requirements
   - Must complete all Gordon Rule and CLAS requirements, prior to admission to this degree.
   - 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 onehalf (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.

10. Required Minors
   - None

UNIVERSITY OF CENTRAL FLORIDA
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, the CLAS and nine hours of Summer credit (if applicable)

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 ACG 4904H Honors Directed Reading II 3 hrs
    - and ACG 4907H Undergraduate Honors Thesis 3 hrs

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College 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 community/junior college 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, 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.
- Courses taken at community colleges 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
- ENC 1101 Composition I 3 hrs
- MAC 1140 Pre-Calculus Algebra 3 hrs
- Cult-Hist I* 3 hrs
- Psy/Ant/Soc Science 3 hrs

Freshman Year - Spring
- 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
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Microeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- MAR 3023 Marketing 4 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Spring
- ACG 3131 Intermediate Financial 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
- ISM 3011C Essentials of Management Information Systems 4 hrs

Junior Year - Fall
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs

Junior Year - Spring
- ACG 3361 Cost Accounting I 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- FIN 3403C Business Finance 4 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs

Senior Year - Fall
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4651 Auditing 3 hrs
- ACG 4803 Contemporary Issues in Accounting 3 hrs
- MAN 4720 Strategic Management 4 hrs
- Free Elective 3 hrs

Senior Year - Spring
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4651 Auditing 3 hrs
- ACG 4803 Contemporary Issues in Accounting 3 hrs
- MAN 4720 Strategic Management 4 hrs
- Free Elective 3 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
UCF Degree Programs

Advertising-Public Relations (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

E-mail: adpr@mail.ucf.edu
Joan McCain - Area Coordinator, jmccain@mail.ucf.edu
Rebecca Morales - Academic Support, rmorales@mail.ucf.edu
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.
■ Students must demonstrate acceptable keyboard skills.
■ Students must receive a positive evaluation by the Nicholson School of Communication.
■ Students must successfully complete, or be enrolled in, the following courses before applying:

Complete the following: 6 hrs
ADV 3008 Principles of Advertising and
PUR 4000 Public Relations 3 hrs

Application Deadlines:
■ October 1 to be admitted the next spring term;
■ November 1 to be admitted the next summer term;
■ July 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 Nicholson School of Communication.
■ Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
■ Of these 80 hours, 65 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 hour 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.
■ 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
Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations
(9 hrs)
Preferred AMH 2010 U.S. History: 1492-1877 3 hrs
Preferred 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
Preferred MGF 1107 Explorations in Mathematics or 3 hrs
May substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics
- Required STA 2014C Principles of Statistics or 3 hrs
- May substitute a more advanced STA course. 3 hrs

D: Social Foundations
(6 hrs)
Economics
- Required ECO 2013 Principles of Macroeconomics 3 hrs
- or
- Required ECO 2023 Principles of Microeconomics 3 hrs

Social Sciences
- 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 this Speech course:
- SPC 1608 Fundamentals of Oral Communication GEP

3. Core Requirements: Basic Level
(6 hrs)
Must be in progress or completed before applying to the program:
Complete all of the following: 6 hrs
ADV 3008 Principles of Advertising and 3 hrs
PUR 4000 Public Relations 3 hrs

May be completed before or after admission to the program:

4. Core Requirements: Advanced Level
(21 hrs)
Complete after admission to the program:
- Complete the following classes:
  - SPC 1608 Fundamentals of Oral Communication and
  - STA 2014C Principles of Statistics GEP/CPP
- Complete either economics class:
  - ECO 2013 Principles of Macroeconomics or GEP/CPP
  - ECO 2023 Principles of Microeconomics GEP/CPP

5. Restricted Electives
(12 hrs)
Complete a maximum of 12 credits of the following after admission to the program:

ADV 4103 Radio-Television Advertising 3 hrs
ADV 4300 Advertising Media Planning 3 hrs
COM 3110 Communication Research Methods 3 hrs
MMC 3200 Mass Communication Law 3 hrs
MMC 4411 Ad-PR Campaigns 3 hrs
PUR 3100 Writing for Public Relations 3 hrs
VIC 3001 Visual Communication 3 hrs

Select one internship:
- ADV 4941 Internship or 3 hrs
- PUR 4941 Internship 3 hrs

You may take either internship, but not both.
- 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
Plan of Study

Acceptable Substitutes for Transfer Courses

Transfer Notes

Advising Notes

Related Programs

Certificates

Related Minors

NOTE: Minors taught within the Nicholson School of Communication are not open to Ad-PR majors.

Advising Notes

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.

1. Program Academic Learning Compacts (student learning outcomes)

Program Academic Learning Compacts

University of Central Florida

Advising Notes

Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes

Lower division courses taken at community colleges 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tr>
<td>ENC 1101 Composition I</td>
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<td>GEP</td>
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<td>GEP</td>
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<tr>
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Freshman Year - Spring

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<tr>
<td>ENC 1102 Composition II</td>
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<tr>
<td>STA 204C Principles of Statistics</td>
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<td>Foreign Language</td>
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<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
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Sophomore Year - Fall

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<td>GEP</td>
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</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ADV 3008 Principles of Advertising</td>
<td>3 hrs</td>
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<tr>
<td>Free Elective-take outside of NSC</td>
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Sophomore Year - Spring

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</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<td>Free Elective-take outside of NSC</td>
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Junior Year - Spring

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<tr>
<td>ADV 4101 Advertising Copywriting</td>
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<tr>
<td>COM 3311 Communication Research Methods</td>
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<td>MMC 3200 Mass Communication Law</td>
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<td>Free Elective-take outside of NSC</td>
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Senior Year - Fall

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<th>Course</th>
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<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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Select 1:

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<tr>
<td>PUR 4941 Internship or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ADV 4941 Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective-take outside of NSC</td>
<td>4 hrs</td>
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Senior Year - Spring

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<th>Course</th>
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<td>MMC 4411 Ad-PR Campaigns</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<td>Free Elective-take outside of NSC</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective-take outside of NSC</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective-take outside of NSC</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oeas.ucf.edu/ac/academic_learning_compacts.htm

Equipment Fees

Part-Time Student: $22 per term
Full-Time Student: $44 per term
UCF Degree Programs

Aerospace Engineering (B.S.A.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering 1, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137
Undergraduate Advisor, mmaeugrad@ucf.edu
407-823-2416

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - 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.
   - Required ENC 1101 Communication I 3 hrs
   - Select 1: Required ENC 1102 Communication II 3 hrs

Select 1: 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations or
  Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
   - Select two classes from Historical Foundations 6 hrs
   - Select one class from Cultural Foundations 3 hrs
   - Required STA 3032 Probability and Statistics for Engineers 3 hrs
   - Prefer ECO 2013 Principles of Macroeconomics or
     ECO 2023 Principles of Microeconomics 3 hrs
   - Select one class from Social Foundations 3 hrs

C. Mathematical Foundations (7 hrs)
   - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - Required STA 3032 Probability and Statistics for Engineers 3 hrs

Select 1: 3 hrs
- Prefer ECO 2013 Principles of Macroeconomics or
  ECO 2023 Principles of Microeconomics 3 hrs
- Select one class from Social Foundations 3 hrs

D. Social Foundations (6 hrs)
   - Select 1: 3 hrs
   - Prefer ECO 2013 Principles of Macroeconomics or
     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 2311 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 Differential Equations 3 hrs
     1 PHY 2048C Physics for Engineers & Scientists I GEP
     PHY 2049C Physics for Engineers and Scientists II 4 hrs
   - Select 1: 4 hrs
     1 CHS 1440 Fundamentals of Chemistry for Engineers or
     1 CHM 2045C Chemistry Fundamentals I or
     2 CHM 2040 Chemistry Fundamentals IA or
     3 CHM 2041 Chemistry Fundamentals IB 3 hrs
1. A “C” (2.0) or better is required in this course.
2. A “C” (2.0) or better is required in this course. Must also take CHM 2041C as 2nd part of sequence.
3. A “C” (2.0) or better is required in this course. Must also take CHM 2040C as 1st part of sequence.

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 (54 hrs)
   - Engineering Analysis-Statics 3 hrs
     Engineering Analysis-Dynamics 3 hrs
     Thermodynamics 3 hrs
     Structure and Properties of Aerospace Materials 3 hrs
     Principles of Electrical Engineering 3 hrs
     Probability and Statistics for Engineers GEP 3 hrs
     Fundamentals of Aerospace Flight 3 hrs
     Fundamentals of Aerodynamics 3 hrs
     Aerospace Engineering Measurements 3 hrs
     Design of Aerospace Experiments 3 hrs
     Flight Mechanics 3 hrs
     High-Speed Aerodynamics 3 hrs
     Flight Structures 3 hrs
     Aerothermodynamics of Propulsion Systems 3 hrs
     Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
     Feedback Control 3 hrs
     Solid Mechanics 3 hrs
     Space Structural Dynamics 3 hrs
   - Select 1: 3 hrs
     EAS 3530 Space Systems Concepts or
     EAS 4505 Orbital Mechanics 3 hrs

5. Restricted Electives (9 hrs)
   - Technical electives are available in the BSME 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/Approved%20Electives.pdf

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
     EGN 4412C Interdisciplinary Design I 3 hrs
     Select 1: 3 hrs
     EAS 4710C Aerospace Design II or
     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

9. Additional Requirements
   - None

10. Required Minors
   - None

11. Department 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, the CLAS and nine hours of Summer credit (if applicable)

### 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.

### Freshman Year - Fall 15 hrs
- EAS 3990 Aerospace Career and Academic Faculty 0 hrs Advising I
- EAS 4991 Aerospace Career and Academic Faculty 0 hrs Advising I

### Freshman Year - Summer 10 hrs
- ENC 1102 Composition I 3 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs

### Select 1:
- CHS 1440 or CHM 2045C or CHM 2040

### Freshman Year - Spring 15 hrs
- EGM 3601 Solid Mechanics 3 hrs
- EGM 3373 Principles of Electrical Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- PHYS 2048C General Physics 4 hrs

### Select 1:
- SPC 1608 Fundamentals of Oral Communication 3 hrs

### Sophomore Year - Fall 13 hrs
- EAS 3101 Fundamentals of Aerospace Flight 3 hrs
- EAS 3800C Aerospace Engineering Measurements 3 hrs
- EAS 4210 Space Structures 3 hrs
- EAS 4505 Orbital Mechanics 3 hrs

### Sophomore Year - Spring 12 hrs
- EAS 3810C Design of Aerospace Experiments 3 hrs
- EAS 4991 Aerospace Career and Academic Faculty 0 hrs Advising I

### Senior Year - Fall 15 hrs
- EAS 4500 Interdisciplinary Design I 3 hrs
- EAS 4700C Aerospace Design II or EAS 4412C Interdisciplinary Design I 3 hrs

### Senior Year - Spring 12 hrs
- EAS 4105 Flight Mechanics 3 hrs
- EAS 4134 High-Speed Aerodynamics 3 hrs
- EAG 4991 Aerospace Career and Academic Faculty 0 hrs Advising II

### Select 1:
- EAS 4134 High-Speed Aerodynamics 3 hrs
- EAS 4700C Aerospace Design II or EAS 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.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
UCF Degree Programs

Anthropology (B.A.)
College of Sciences
Department of Anthropology, Philips Hall, Room: 309
http://www.cos.ucf.edu/anthropology

Dr. John Schultz, jschultz@mail.ucf.edu
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 associated with the Maya culture in the Central American country of Belize.

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.
- 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:
   - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics
   - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers
   Select a course from GEP C.2 list
   3 hrs

D: Social Foundations (6 hrs)
   Required
   - Select from GEP D.1 list
     3 hrs

E: Science Foundations (6 hrs)
   Required
   - 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.

3. Core Requirements: Basic Level (6 hrs)
   - ANT 2000 General Anthropology
   - ANT 2140 Archaeology and the Rise of Human Culture
   - ANT 2410 Cultural Anthropology
   - ANT 2511 The Human Species

4. Core Requirements: Advanced Level (12 hrs)
   - ANT 3145 Archaeology of Complex Societies
   - ANT 3610 Language and Culture
   - ANT 4034 History of Anthropological Thought
   - ANT 4586 Human Origins

5. Restricted Electives (21 hrs)
   Area Study
   Select at least one of the following courses:
   - ANT 3158 Florida Archaeology
   - ANT 3163 Mesoamerican Archaeology
   - ANT 3168 Maya Archaeology

   Restricted Electives 18 hrs
   - Select at least six Anthropology courses; these may include other area study courses or any other Anthropology courses that may be offered (see below).

   - ANT 3111 Indians of the Southeastern United States
   - ANT 3112 Ethnology of North American Indians
   - ANT 3133 Indians of North America High Plains
   - ANT 3134 Indians of the Northeast Woodlands
   - ANT 3138 Indians of the Northern Coast
   - ANT 3139 Anthropology of Diaspora
   - ANT 3332 People and Cultures of Latin America
   - ANT 3148 Life and Death in Ancient Egypt
   - ANT 3363 Anthropology of Japan
   - ANT 4144 Prehistory of North America
   - ANT 4155 North American Archaeology
   - ANT 4352 African Societies and Cultures
   - ANT 4354 Postcolonial Africa
   - ANT 4308 Gender Issues in Latin America
   - ANT 3164 Ancient Incas
   - ANT 4340 Caribbean Cultures
   - ANT 3160 Americas Before Columbus
   - ANT 3161 Archaeology of Mexico
   - ANT 3165 Archaeology of South America
   - ANT 3152 Indians of the Southwest
   - ANT 3344 Puerto Rican Culture
   - ANT 3362 Peoples of Southeast Asia

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.
- Before applying to graduate, the CLAS must be completely satisfied.

**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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Social Sciences
- Sociology

**Certificates**
- None

**Related Minors**
- African American 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 taken at community colleges 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.

**Freshman Year - Fall**
- **Sophomore Year - Fall**
  - ANT 2140  Archaeology and the Rise of Human Culture  3 hrs
  - ANT 2410  Cultural Anthropology  3 hrs
  - Free Elective  3 hrs
  - Restricted Elective  3 hrs
  - GEP  3 hrs

- **Sophomore Year - Spring**
  - ANT 3145  Archaeology of Complex Societies  3 hrs
  - Foreign Language  4 hrs
  - Restricted Elective  3 hrs
  - Elective / Minor  2 hrs
  - Elective / Minor  3 hrs

- **Junior Year - Fall**
  - ANT 4586  Human Origins  3 hrs
  - Foreign Language  4 hrs
  - Restricted Elective  3 hrs
  - Elective / Minor  3 hrs
  - Elective / Minor  2 hrs

- **Senior Year - Fall**
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Elective / Minor  3 hrs
  - Elective / Minor  3 hrs
  - Free Elective  3 hrs

- **Senior Year - Spring**
  - ANT 4034  History of Anthropological Thought  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.oenas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oenas.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/](http://architecture.ucf.edu/)

John Maudlin-Jeronimo, Program Director, 407-582-5419

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 Community 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.

**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.
- Participate in a competitive portfolio pin-up 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.

**Degree Requirements**
- Students who change degree programs and select this major must adopt the current catalog.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
UCF Degree Programs

- Students must earn at least a "C" in each required upper level course and maintain an overall GPA of at least 2.0.
- 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 (6 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 VCC or equivalent.

3. Core Requirements: Basic Level (34 hrs)
   - A.A. Courses (completed in the A.A. in Architecture from VCC)
   - ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in VCC’s architecture program but required for the B.Des. at UCF. See courses below.
   - ARC 1701 History of Architecture I or equivalent  3 hrs
   - ARC 2702 History of Architecture II or equivalent  3 hrs
   - ARC 1301 Architectural Design I  4 hrs
   - ARC 1302 Architectural Design II  4 hrs
   - ARC 1201 Theory of 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 2180 Introduction to Digital Architecture  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

7. Foreign Language Requirements

Admissions
- None

Graduation
- None

8. Electives (10 hrs)
   - Any 3000 or 4000 level course offered within the college.

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
    - 45 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, the CLAS and nine hours of Summer credit (if applicable)

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
- None

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.
- Courses taken at community colleges 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.oeas.ucf.edu/aic/academic_learning_compacts.htm

Art - Emerging Media Track (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
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. 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
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before 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.
- 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 have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.

“D” grades from other institutions do not meet departmental requirements.

Note: Individual portfolio reviews are not possible due to the large number of applicants.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Dept. Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at 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 as noted.
- Co-op or internship credits are not permitted in this major without prior written permission.
- 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: 6 hrs
     - Required ARH 2550 History of Western Art I and
     - Required ARH 2551 History of Western Art II
     - Select a course from group B.1
   - C: Mathematical Foundations (7 hrs)
     - Take all of the following: 7 hrs
       - Required MAC 1105C College Algebra and
       - Required COP 2500C Concepts in Computer Science
   - D: Social Foundations (6 hrs)
     - E: Science Foundations (6 hrs)

2. **Common Program Prerequisites (CPP)** (16 hrs)

   - ART 2201C Art Fundamentals-Two Dimensional 3 hrs
     - 1 ART 2203C Design Fundamentals-Three Dimensional 3 hrs
     - 1 ART 2300C Drawing Fundamentals I 3 hrs
     - 1 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 Introduction to Computer Art 3 hrs

   2101C
   - Any ART prefix, studio, or media courses at the 2000-4000 levels
   - 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** (18 hrs)

   - ART 2823 Art as Interface 3 hrs
   - ARH 2500 History of Non-Western Art 3 hrs
   - MAC 1105C College Algebra GEP
   - COP 2500C Concepts in Computer Science 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)

   - ART 3950 Portfolio Review 0 hrs
   - DIG 3024 Digital Cultures & Narrative 3 hrs
   - DIG 3525 Digital Media Production I 3 hrs
   - DIG 3480C Computer as a Medium 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 3102C Intermediate Graphic Design I 3 hrs
     - GRA 3112C Intermediate Graphic Design II 3 hrs
     - GRA 3803C Intermediate Computer Graphic Design 3 hrs
     - GRA 4198C Advanced Graphic Design 3 hrs
     - GRA 4197C Special Problems in Graphic Design 3 hrs
     - GRA 3202C Type & Design 3 hrs

   - Graphic Design - Restricted Electives - 21 hours
     - Complete 21 hours of credits from the following areas:
       - 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

   - Character Animation Core - 15 hours
     - 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 3555C Artificial Environments and Effects 3 hrs
     - DIG 3433C Visual Storytelling and Visual Development 3 hrs
     - DIG 4359C Artificial Environments and Effects Workshop 3 hrs
     - DIG 4206C New Imagery in Motion Workshop 3 hrs
     - DIG 4394C Motion Graphics: Advanced Compositing 3 hrs
     - DIG 4434C Narrative Techniques in the Moving Image 3 hrs
     - DIG 4486C Visual Language of Moving Image II 3 hrs
     - DIG 4451C Visual Storytelling and Visual Development Workshop 3 hrs

   **Experimental Animation** 39 hrs

   - Experimental Animation Core - 15 hours
     - 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

   - Experimental Animation Restricted Electives - 6 hours
     - Complete 18 hours of credits from the following areas: 18 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**

8. **Electives**

   - Met by graduation requirement

9. **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.

10. **Restrictions**

    - Unrestricted electives - credit hours varies with specialization
    - Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

11. **Additional 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 124
# UCF Degree Programs

## Honors In Major
- None

## Related Programs
- Computer Science
- English - Technical Communication
- Film
- Music

## Certificates
- None

## Related Minors
- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

## Advising Notes
- None

### Transfer Notes
- Grades less than a "C" (2.0) are not accepted.
- Courses taken at community colleges 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.o eas.ucf.edu/aic/academic_learning_compacts.htm](http://www.o eas.ucf.edu/aic/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

## Art - History Track (B.A.)

### College of Arts and Humanities

### School of Visual Arts and Design, Visual Arts Building, Room: 117


Margaret Zaho
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.
- 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 art history advisor.
- 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.
- 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)

| A: Communication Foundations | (36 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 1.B.1 list | 3 hrs |

#### 2. Common Program Prerequisites (CPP) (6 hrs)

| C: Mathematical Foundations | (6 hrs) |
| Prefer STA 1060C Basic Statistics Using Microsoft Excel | 3 hrs |
| Prefer MGF 1106 Finite Mathematics | 3 hrs |

1 $\$ may substitute a higher level math

#### 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 3311 Advanced Expository Writing | 3 hrs |

#### 5. Restricted Electives (24 hrs)

Select one Non-Western Art History course from the following:

| ARH 4540 Art of India | 3 hrs |
| ARH 4653 Meso American Art | 3 hrs |
| ARH 3520 African Art | 3 hrs |

One of the following courses:

| 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:

| ARH 3471 Art in the Last 25 Years | 3 hrs |
| ARH 3520 African Art | 3 hrs |
| ARH 3610 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 4350 Baroque Art | 3 hrs |
| ARH 4653 Meso American Art | 3 hrs |
| ARH 4871 Women in Art | 3 hrs |
| ARH 5897 Advanced Seminar Art History | 3 hrs |
| ARH 4150 Roman Art and Architecture | 3 hrs |
| ARH 4200 Medieval Art | 3 hrs |
| ARH 4352 Italian Baroque Art | 3 hrs |
| ARH 3728 History of Illustration | 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" GPA (2.0) in courses within the major.
- ARH 4912 Directed Independent Research 1 hr
- Computer Competency met by one of the following:
  - STA 1000C 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
- 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- Art - Studio Art Track
- Art Education

#### Certificates
- None

#### Related Minors
- Art - Studio
- Community Arts - PAVE

#### Advising Notes
- None

#### Transfer Notes
- Courses taken at community colleges 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

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>ARH 2050</td>
<td>History of Western Art I</td>
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<td></td>
<td>ENC 1101</td>
<td>Composition I</td>
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<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
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<td></td>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
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<td><strong>Freshman Year - Spring</strong></td>
<td>ARH 2051</td>
<td>History of Western Art II</td>
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<td>ENC 1102</td>
<td>Composition II</td>
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<td>STA 1000C</td>
<td>Basic Statistics Using Microsoft Excel</td>
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<td>ARH 2500</td>
<td>History of Non-Western Art</td>
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<td><strong>Sophomore Year - Fall</strong></td>
<td>COM 1000</td>
<td>Introduction to Communication</td>
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<td>POS 2041</td>
<td>American National Government</td>
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<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
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<td>ENC 3311</td>
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<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
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<td>ANT 2000</td>
<td>General Anthropology</td>
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<td>BSC 1005</td>
<td>Biological Principles</td>
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<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
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<td>SPN 1120C</td>
<td>Elementary Spanish Language and Civilization I</td>
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<td>ARH 4310</td>
<td>Italian Renaissance Art</td>
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<td>ARH 4450</td>
<td>20th Century Art</td>
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<td>ARH 3710</td>
<td>History of Photography I</td>
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<td>ARH 4653</td>
<td>Meso American Art</td>
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#### Junior Year - Spring

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<td>19th Century Art</td>
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<td>ARH 4800</td>
<td>Theory and Criticism of the Visual Arts</td>
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<td>ARH 3711</td>
<td>History of Photography II</td>
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<td>SPN 2200</td>
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<td>ARH 3713</td>
<td>20th Century Photographic History</td>
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#### Senior Year - Fall

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<td>ARH 4350</td>
<td>Baroque Art</td>
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#### Senior Year - Spring

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<td>ARH 4170</td>
<td>Greek &amp; Roman Art</td>
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<td>Restricted Elective</td>
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<tr>
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<td></td>
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<tr>
<td>ARH 4XXX</td>
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</tbody>
</table>

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/al/academic_learning_compacts.htm](http://www.oeas.ucf.edu/al/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://www.svad.ucf.edu**

**E-mail: svad@mail.ucf.edu**

**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.

#### Admission Requirements

- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before 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.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, may continue in the Art History or the Visual Art and Emerging Management tracks.
- Students may apply to the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- "D" grades from other institutions do not meet departmental requirements.
- Note: Individual portfolio reviews are not possible due to the large number of applicants.

#### 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 Art and Design. Nine of these must be in an area of specialization.
- Grades below "C" (2.0) in lower level ART of ARH courses do not satisfy major requirements.
- BFA students must maintain a 3.0 GPA in all ART courses.
- Co-op credit cannot be used in this major.
- Students should consult with a school advisor in their studio specialization.
- Course designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
## UCF Degree Programs

### 1. UCF General Education Program (GEP) (36 hrs)
- **A: Communication Foundations** (9 hrs)
- **B: Cultural & Historical Foundations** (9 hrs)

#### Take all of the following:
- Required ARH 2050 History of Western Art I and
- Required ARH 2051 History of Western Art II 3 hrs
Select a course from group B.1

### C. Mathematical Foundations (6 hrs)
- Prefer STA 1080C Basic Statistics Using Microsoft Excel 3 hrs

#### Select 1:
- Prefer MGF 1106 Finite Mathematics or 3 hrs
- 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)
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- 1 ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- 1 ART 2300C Drawing Fundamentals I 3 hrs
- 1 ART 2301C Drawing Fundamentals II 3 hrs
- ARH 2050 History of Western Art I GEP 3 hrs
- ARH 2051 History of Western Art II GEP 3 hrs
- 1 GRA Introduction to Computer Art 3 hrs

2101C Any ART prefix, studio, or media courses at the 2000-4000 levels
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)
- ARH 2500 History of Non-Western Art 3 hrs
- ART 2823 Art as Interface 3 hrs
- GRA 2101C Introduction to Computer Art CPP 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: (classes with an asterisk may be repeated for credit)

##### Book Arts
- ART 3176C The Illuminated Book or 3 hrs
- ART 3175C Advanced Issues in Contemporary Book Arts or 3 hrs
- ART 3170C Book Binding or 3 hrs
- ART 3171C Materials for Artist Books or 3 hrs
- ART 3737C Narrative Sculpture or 3 hrs
- ART 4172C Book Repair and Restoration or 3 hrs
- ART 4644C Books Without Books or 3 hrs
- ART 4177C Commercial Book Design and Publishing or 3 hrs
- ART 4173C The Artist Book or 3 hrs
- ART 4174C The Printed Book 3 hrs

##### Ceramics
- ART 3761C Intermediate Ceramics or 3 hrs
- ART 3764C Ceramic Handbuilding I or 3 hrs
- 1 ART 4763C Advanced Ceramics 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 3747 Intermediate Illustration I or 3 hrs
- GRA 4194C 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

### Sculpture
- 1 ART 4710C Advanced Sculpture 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 or
(A maximum of six hours of Independent Study, Practicum, and Internship are permitted).

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements
- None

### 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)
- Achieve at least a “B” GPA (3.0) overall in courses within the major.
- 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 1060C 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 residence 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Art - History Track
- Art Education
- Art - Emerging Media Track
- Art - Visual Arts and Emerging Media Management Track

### Certificates
- None

### Related Minors
- Community Arts - PAVE

### Advising Notes
- None
Transfer Notes
- Courses taken at community colleges 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.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art - Studio Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building,
Room: 117
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Donna Mercado, 407-823-1708

Note: Although the School maintains a computer lab for student use, students must have continual access to a lap top 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 junior level students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before 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.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 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 in their specialization.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Art and Design. Nine of these hours must be in an area of 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)
   Required ARH 2050 History of Western Art I 3 hrs
   Required ARH 2051 History of Western Art II 3 hrs
   Select a course from 1.B.1 List 3 hrs

   C: Mathematical Foundations (6 hrs)
   Prefer MGF 1106 Finite Mathematics 3 hrs
   Prefer STA 1060C 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 3 hrs
   ARH 2051 History of Western Art II GEP 3 hrs
   GRA 2101C Introduction to Computer Art  3 hrs
   Any ART 20XX-40XX studio or media course. 3 hrs

3. Core Requirements: Basic Level (6 hrs)
   ART 2823 Art as Interface  3 hrs
   ARH 2500 History of Non-Western Art  3 hrs
   ART 3950 Portfolio Review  0 hrs

4. Core Requirements: Advanced Level (27 hrs)
   5. Restricted Electives
   Select nine upper division courses in three areas:
   Art History
   Any upper level ARH course
   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 3747 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 2401C Beginning 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 2701C Sculpture 3 hrs
   1 ART 4710C Advanced Sculpture 3 hrs
   1 May be repeated for credit.
   Type and Design
   GRA 3202C Type & Design 3 hrs

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   Met by graduation requirement.
UCF Degree Programs

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, Practicum, and 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 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors in Major

- None

Related Programs

- Art Education
- Art - Emerging Media Track
- Art - Visual Arts and Emerging Media Management Track

Certificates

- None

Related Minors

- Digital Media

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges 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

- ARH 2050 Fundamentals of Art 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 Fundamentals of Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- ART 2203C 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-Two 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 1055 Biology 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ARH 2500 History of Western Art 3 hrs
- ART 3950 Portfolio Review 0 hrs

Junior Year - Fall

- ART 3332C Intermediate Drawing 3 hrs
- GRA 3747 Intermediate Illustration I 3 hrs
- † SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring

- ART 3161 Mixed Media 3 hrs
- ART 4320C Advanced Drawing 3 hrs
- Required Elective 3 hrs
- Required Elective 3 hrs
- † SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Senior Year - Fall

- ARH 4430 History of Western Art IV 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

- ARH 4430 History of Western Art IV 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art - Visual Arts and Emerging Media Management Track (B.A.)

College of Arts and Humanities

School of Visual Arts and Design

http://svad.cah.ucf.edu

407-823-2676

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

- 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 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 specialization.
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 prior to selecting a specialization and at least annually thereafter.

1. UCF General Education Program (GEP) (36 hrs)
   - 1. Communication Foundations (9 hrs)
   - 2. Cultural & Historical Foundations (9 hrs)
   - 3. Core Requirements: Basic Level (6 hrs)
   - 4. Core Requirements: Advanced Level (3 hrs)
   - 5. Restricted Electives 21 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
   - 2.1. E: Science Foundations (6 hrs)
   - 2.2. D: Social Foundations (6 hrs)
   - 2.3. B: Cultural & Historical Foundations (9 hrs)
   - 2.4. C: Mathematical Foundations (6 hrs)

   Select restricted electives as required from each of these four areas.

3. Core Requirements: Basic Level (6 hrs)
   - 3.1. ART 2823 Art as Interface
   - 3.2. ARH 2500 History of Non-Western Art

4. Core Requirements: Advanced Level (3 hrs)
   - 4.1. GEB 3031 Cornerstones: Professional Skills for Business
   - 4.2. ART 3950 Portfolio Review

5. Restricted Electives (21 hrs)
   - 5.1. Select restricted electives as required from each of these four areas of emphasis:
     - Aesthetics and Theory (6 hrs)
     - Written Communication (3 hrs)
     - Information Management (6 hrs)

   Select 1:
   - 5.1.1. Select 1: 3 hrs
     - DIG 3024 Digital Cultures & Narrative or ENC 3241 Writing for Technical Professional
     - ENC 3250 Professional Writing or ENC 3311 Advanced Expository Writing

   Select 2:
   - 5.1.2. Select 2: 6 hrs
     - DIG 3525 Digital Media Production I or DIG 4855C Converging Media Capstone
     - DIG 3480C Computer as a Medium or DIG 4600C Business Intelligence
     - DIG 3563 Information Management and Entrepreneurship or DIG 3716C Internet Interaction
     - DIG 4630C Media Business Practices or DIG 5665C Digital Asset Management Systems

6. Capstone Requirements (3 hrs)
   - DIG 4855C Converging Media Capstone

7. Foreign Language Requirements
   - None

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, the CLAS and nine hours of Summer credit (if applicable)

13. 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
    - None

Transfer Notes
    - Grades less than a “C” (2.0) are not accepted.
    - Courses taken at community colleges 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.

1. These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship

2. Restricted Electives as required from each of these four areas: Aesthetics and Theory, Written Communication, Information Management, and related areas.
UCF Degree Programs

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 #B1-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 1060C Basic Statistics Using Microsoft Excel 3 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
1 req #1A3-GEP
2 req #1D1-GEP
3 req #1E1-GEP

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 #1D2-GEP
2 req #1E2-GEP
3 req #1E3-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 #1Lang/Elec
2 req #5
3 req #A1-GEP
4 Check restrictions

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
4 Supporting Elective 3 hrs
1 req #B1-GEP
2 req #1E1-GEP
3 Check restrictions

Junior Year - Spring 16 hrs
1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
2 Restricted Elective 3 hrs
3 Restricted Elective 3 hrs
3 Supporting Elective 3 hrs
3 Supporting Elective 3 hrs
1 req #B2-GEP
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
2 Supporting Elective 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.oed.ucf.edu/aic/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
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/arted

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- 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
- Required ENC 1103 Composition III 3 hrs
- Required ENC 1104 Composition IV 3 hrs
- Required ENC 1105 Composition V 3 hrs
- Required ENC 1106 Composition VI 3 hrs
- Preferred ENC 1107 Composition VII 3 hrs
- Preferred ENC 1108 Composition VIII 3 hrs
- Preferred ENC 1109 Composition IX 3 hrs
- Preferred ENC 1110 Composition X 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
- Required ARH 2050 History of Western Art I 3 hrs

C: Mathematical Foundations (6 hrs)
- Required MGF 1106 Finite 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)
- Preferred PSC 1121 Physical Science 3 hrs

Undergraduate Catalog 2011-2012
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
- EDF 2065 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level (30 hrs)
- ARH 2050 History of Western Art I GEP
- 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
- GRA 2101C Introduction to Computer Art 3 hrs
- ART 2754C Beginning Ceramics 3 hrs
- ART 2950C Beginning Painting 3 hrs
- ART 2955C Beginning Printmaking 3 hrs
- PGY 2401C Beginning Photography 3 hrs

4. Core Requirements: Advanced Level (30 hrs)
- EDF 4410 Teaching Strategies and Classroom Management
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4695 Analysis and Application of Ethical, Legal, and Safety Issues in Schools
- 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 EDF 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 if CLAS was used for admission 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: EDF 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/clinicalxp/
- ARE 3940 Internship 3 hrs

Specialization Requirements 12 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

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/clinicalxp/
- 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.
- 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 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 residence 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, the CLAS and nine hours of Summer credit (if applicable)

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

Undergraduate Catalog 2011-2012
UCF Degree Programs

### 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### 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 Community 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.
- Candidates for selection to the Program in Athletic Training must demonstrate:
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;  
- Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

### Degree Requirements

- **Students who are Athletic Training pending and are admitted to the major 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 Public University/Community College System**

#### 1. UCF General Education Program (GEP)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 3012C</td>
<td>Clinical Skills for Athletic Trainers</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ATR 3013C</td>
<td>Clinical Skills for Athletic Trainers II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ATR 3102C</td>
<td>Principles of Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 4606</td>
<td>Applied Fitness in Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4842L</td>
<td>Practicum in Athletic Training IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 4913C</td>
<td>Practicum in Athletic Training V</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I or II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 4014C</td>
<td>Introduction to Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4315C</td>
<td>Advanced Rehabilitation in Athletic Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4832L</td>
<td>Practicum in Athletic Training III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 4606</td>
<td>Applied Fitness in Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ATR 4315C</td>
<td>Therapeutic Exercise in Athletic Training</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4933</td>
<td>Athletic Training Seminar</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

#### 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 |

**Electives**

- Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sport & Fitness

#### 5. Restricted Electives

- **None**

#### 6. Capstone Requirements

- **None**

#### 7. Foreign Language Requirements

- **None**

#### 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 & Fitness

#### 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 Clinical Instructor (ACI).**

#### 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 residence 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, the CLAS and nine hours of Summer credit (if applicable)

### 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
- 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 2040C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- BSC 2010C Biology I 4 hrs
- MAC 1114 College Trigonometry 3 hrs

Sophomore Year - Fall
- PHY 2053C College Physics I 4 hrs
- ZOO 3733C Human Anatomy 4 hrs
- STA 2023 Statistical Methods I 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 or 3 hrs
- WOH 2012 World Civilization I 3 hrs

Sophomore Year - Spring
- HUN 2002 Modern Concepts in Nutrition 3 hrs
- PCB 2073C Human Physiology 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- 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:
- 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

Junior Year - Summer
- ATR 4014C Introduction to Athletic Training 3 hrs
- ATR 3102Z Principles of Athletic Training 3 hrs

1 Foreign Language 4 hrs

1 If not satisfied in high school

Junior Year - Fall
- 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

1 Free Elective 3 hrs

1 As needed to meet 120 hrs of university exit requirements.

Junior Year - Spring
- 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

1 Free Elective 3 hrs

1 As needed to meet 120 hrs of university exit requirements.

Senior Year - Summer
- ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs
- ATR 4302C Therapeutic Modalities in Athletic Training 4 hrs

Senior Year - Fall
- 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
- 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 Sports Medicine Field Application 3 hrs

1 Free Elective 3 hrs

1 As needed to meet 120 hrs of departmental exit requirements.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15.00 per term

Biology (B.S.)

College of Sciences
Department of Biology, BL, Room: 301
http://www.cos.ucf.edu/biology
E-mail: biology@ucf.edu
Frank Logiudice
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.
UCF Degree Programs

- 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 4537 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.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Note: Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/
- Suggested MAC 2233 Concepts of Calculus or 3 hrs
- Suggested MAC 2253 Applied Calculus I or 3 hrs
- Preferred MAC 2311 Calculus with Analytic Geometry I 4 hrs

Statistics:
- 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

Select the sequence identified by the Chemistry Placement exam;
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu
- A one semester course 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 I and 3 hrs
  - and
  - Required CHM 2041 Chemistry Fundamentals II 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.
  - BSC 2010C Biology I GEP
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I GEP
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - STA 2023 Statistical Methods I GEP

Math requirement: Select one course
- MAC 2233 Concepts of Calculus or 3 hrs
- MAC 2253 Applied Calculus I or GEP
- MAC 2311 Calculus with Analytic Geometry I GEP

Select one of the following sequences of courses:
- NOTE: These courses are considered to be equivalents:
  - CHM 2045C Chemistry Fundamentals I GEP
  - CHM 2040 Chemistry Fundamentals IA and GEP
  - CHM 2041 Chemistry Fundamentals IB GEP

Complete one entire physics sequence:
- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
  - or
  - PHY 2053C College Physics I and 4 hrs
  - PHY 2054C College Physics II 4 hrs

3. Core Requirements: Basic Level (8 hrs)
- Students planning on entering professional or graduate school should take Biochemistry as well as additional Calculus courses.

Students are urged to consult their departmental advisor.
- STA 2023 Statistical Methods I GEP/CPP

Complete one entire chemistry sequence:
- 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 and 5 hrs
  - CHM 3120 Analytical Chemistry and 3 hrs
  - CHM 3120L Analytical Chemistry Laboratory 1 hr

4. Core Requirements: Advanced Level (13 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

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 3 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 from this group.
  - BCH 4053 Biochemistry I or 3 hrs
  - BCH 4054 Biochemistry II or 3 hrs
  - BOT 4223C Plant Anatomy or 4 hrs
  - BOT 4303C Plant Kingdom or 5 hrs
  - BOT 4503 Plant Physiology or 3 hrs
  - BSC 4101 History of Biology or 3 hrs
  - BSC 4454 Research in Animal Physiology or 2 hrs
  - PCB 3024L Molecular Cell Biology Laboratory or 2 hrs
  - PCB 3063L Genetics Laboratory or 1 hr
  - PCB 3233 Immunology or 3 hrs
  - PCB 3703C Human Physiology or 4 hrs
  - PCB 4514 Genetics II or 3 hrs
  - PCB 4524 Molecular Biology II or 3 hrs
  - PCB 4678 Evolution and Medicine or 3 hrs
  - PCB 4683L Evolutionary Biology Lab or 1 hr
  - PCB 4684 Population Genetics or 3 hrs
  - PCB 4723 Animal Physiology or 4 hrs
  - PCB 5665C Human Genetics or 4 hrs
  - PCB 5935 Population Genetics or 3 hrs
  - ZOO 3713C Comparative Vertebrate Anatomy or 5 hrs
### UCF Degree Programs

#### 1. Required Minors
- **ZOO 3733C** Human Anatomy or 4 hrs
- **ZOO 4620C** 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.

#### 2. Foreign Language Requirements
- 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.

#### 3. Additional Requirements
- **Graduation**: 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.

#### 4. Electives
- None

#### 5. Foreign Language Requirements
- **Graduation**: 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.

#### 6. University Minimum Exit Requirements
- **Total Semester Hours Required**: 120
  - **Honors in Major**: None
  - **Related Programs**: Environmental Engineering, Biomedical Sciences, Science Education - Biology
  - **Certificates**: None
  - **Related Minors**: Biology, Environmental Studies
  - **Advising Notes**: Students are urged to contact their departmental advisor before registering for courses.
  - **Acceptable Substitutes for Transfer Courses**: None
  - **Advising Notes**: Students are urged to contact their departmental advisor before registering for courses.

#### 7. Related Programs
- Environmental Engineering
- Biomedical Sciences
- Science Education - Biology

#### 8. 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.

#### 9. Transfer Notes
- Lower Division courses taken at community colleges 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.

#### 10. Acceptable Substitutes for Transfer Courses
- Students are urged to contact their departmental advisor before registering for courses.
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - **BSC 1010C**: May substitute the Honors version BSC X041C.
  - **CHM 2045C**: May use CHM X040 plus CHM X041.
  - **CHM 2045C**: May use CHM X040 plus CHM X041.

#### 11. 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.

#### 12. Freshman Year - Fall
- **BSC 2011C** Biology I 4 hrs
- **ENC 1101** Composition I 3 hrs
- **CHM 2045C** Chemistry Fundamentals I 4 hrs
- **Math Course** 4 hrs
### Biology - Preprofessional Concentration (B.S.)

**College of Sciences**  
**Department of Biology, Biology, Room: 301**  
[http://www.cos.ucf.edu/biology](http://www.cos.ucf.edu/biology)  
**E-mail: biology@ucf.edu**  
Frank Logiudice  
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.

#### 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.

#### 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

#### 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees

- Part-Time Student: $19 per term
- Full-Time Student: $38 per term

### Course Requirements

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
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<th>Credits</th>
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<td></td>
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<td>BSC 2011C</td>
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<td></td>
<td></td>
<td>CHM 2046C</td>
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<td></td>
<td></td>
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<td></td>
<td>3 hrs</td>
</tr>
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<td>Fall</td>
<td>MAC 2311</td>
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<td>4 hrs</td>
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<td>Statistical Methods I</td>
<td>3 hrs</td>
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<td></td>
<td>CHM 2210</td>
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<td></td>
<td></td>
<td>PCB 3044</td>
<td>Principles of Ecology</td>
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<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
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<td></td>
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<td>GEP</td>
<td></td>
<td>3 hrs</td>
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<td>Free Elective</td>
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<td>Junior</td>
<td>Fall</td>
<td>PHY 2053C</td>
<td>College Physics I</td>
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<td></td>
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<tr>
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<td></td>
<td>Free Elective</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>Senior</td>
<td>Fall</td>
<td>PCB 4683</td>
<td>Evolutionary Biology</td>
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<tr>
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<td>3 hrs</td>
</tr>
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<td>Spring</td>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
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<td>GEP</td>
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<td>3 hrs</td>
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<tr>
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<td></td>
<td>Restricted Elective</td>
<td></td>
<td>4 hrs</td>
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<tr>
<td></td>
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<td>Free Elective</td>
<td></td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 1603 Fundamentals of Technical Presentations  
  3 hrs

#### B: Cultural & Historical Foundations  
(9 hrs)

- Required MAC 2311 Calculus with Analytic Geometry I  
  4 hrs

#### C: Mathematical Foundations  
(7 hrs)

- Mathematics:  
  4 hrs

- Required STA 2023 Statistical Methods I  
  3 hrs

#### D: Social Foundations  
(6 hrs)

- Required SPC 1603 Fundamentals of Technical Presentations  
  3 hrs

#### E: Science Foundations  
(8 hrs)

- Required BSC 2010C Biology I  
  4 hrs

#### Statistics:

- Required STA 2023 Statistical Methods I  
  3 hrs

- Required MAC 2311 Calculus with Analytic Geometry 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/](http://chemplacement.sdes.ucf.edu/)
  - A one semester course 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
  - 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.

- Required BSC 2010C Biology I  
  4 hrs

- Required BSC 2011C Biology II  
  4 hrs

- Required CHM 2045C Chemistry Fundamentals I  
  4 hrs

- Required CHM 2046 Chemistry Fundamentals II  
  3 hrs

- Required CHM 2046L Chemistry Fundamentals Laboratory  
  1 hr

- Required MAC 2311 Calculus with Analytic Geometry I  
  4 hrs

- Required STA 2023 Statistical Methods I  
  3 hrs
UCF Degree Programs

Complete one entire physics sequence:

- 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

NOTE: These courses are considered to be equivalents:
- A one semester course for students with a strong chemistry background
- A high Chemistry Placement score

**CHM 2045C Chemistry Fundamentals I**

or

**CHM 2040 Chemistry Fundamentals IA and**

**CHM 2041 Chemistry Fundamentals IB GEP**

3. Core Requirements: Basic Level (8 hrs)

- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- STA 2023 Statistical Methods I GEP/CPP

4. Core Requirements: Advanced Level (13 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

5. Restricted Electives (22 hrs)

The following is a suggested subset of the Biology Restricted Electives which may be most appropriate for many professional schools.

- Student must complete at least one course dealing exclusively with biology 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.
- 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 from this group. 3 hrs

- BCH 4053 Biochemistry I or 3 hrs
- BCH 4054 Biochemistry II or 3 hrs
- BSC 4454 Research in Animal Physiology or 2 hrs
- PCB 3024L Molecular Cell Biology Laboratory or 2 hrs
- PCB 3063L Genetics Laboratory 1 hr
- PCB 3233 Immunology or 3 hrs
- PCB 4514 Genetics II or 3 hrs
- PCB 4678 Evolution and Medicine or 3 hrs
- PCB 4723 Animal Physiology or 4 hrs
- PCB 4724 Human Genetics or 4 hrs
- 5665C Comparative Vertebrate Anatomy or 5 hrs
- 3713C Embryology/Development or 5 hrs
- 4603C Vertebrate Histology 4 hrs

**1 Fulfills Zoology requirement. Offered in Biology department.**

**2 Offered in Biology department.**

Environmental

Complete a minimum of one lecture course from this group. 3 hrs

- BOT 3802 Ethnobotany or 3 hrs
- BOT 4850 Medicinal Botany 3 hrs

**1 Fulfills Botany requirement. Offered in Biology department.**

Systematic

Complete a minimum of one lecture course from this group. 3 hrs

- MCB 3020C General Microbiology or 5 hrs
- ZOO 3020C Biology and Ecology of Metazoan 4 hrs
- 4205C Invertebrates or 4 hrs
- 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. 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.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

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).
### Degree Requirements

#### Biomedical Sciences (B.S.)

**College of Medicine**

**Burnett School of Biomedical Sciences**

**Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**

[http://www.biomed.ucf.edu](http://www.biomed.ucf.edu)

#### UCF Degree Programs

**E-mail:** bcbsinfo@mail.ucf.edu  
Dr. P. E. Kolattukudy, Chair  
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 Public University/Community College System.
- 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1603 Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
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</table>

#### B: Cultural & Historical Foundations  

(9 hrs)

#### C: Mathematical Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tr>
<td>Suggested MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Suggested MAC 2253 Applied Calculus I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested STA 2023 Statistical Methods I or Introduction to Computer Science</td>
<td>3 hrs</td>
</tr>
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#### D: Social Foundations  

(6 hrs)

#### E: Science Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Required BSC 2010C Biology I</td>
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<tr>
<td>Required CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- BSC 2010C Biology I  
  - GEP
- CHM 2045C Chemistry Fundamentals I  
  - GEP

#### Equipment Fees

- Part-Time Student: $19 per term
- Full-Time Student: $38 per term

#### Biomedical Sciences (B.S.)

**College of Medicine**

**Burnett School of Biomedical Sciences**

**Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**

[http://www.biomed.ucf.edu](http://www.biomed.ucf.edu)

#### 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 Public University/Community College System.
- 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.

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#### D: Social Foundations  

(6 hrs)

#### E: Science Foundations

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<tr>
<td>Required CHM 2045C Chemistry Fundamentals I</td>
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#### 2. Common Program Prerequisites (CPP)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- BSC 2010C Biology I  
  - GEP
- CHM 2045C Chemistry Fundamentals I  
  - GEP

### Undergraduate Catalog 2011-2012

**University of Central Florida**

**143**
### UCF Degree Programs

Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
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<td>College Physics I and</td>
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<tr>
<td>PHY 2054C</td>
<td>College Physics II</td>
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<td>or</td>
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<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I and</td>
<td>4 hrs</td>
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<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
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1 See Transfer Notes for possible substitutions.

### Core Requirements: Basic Level

#### Math, Statistics, Computer

Select 1:

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<tr>
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<th>Course Title</th>
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<tr>
<td>MAC 2535</td>
<td>Applied Calculus I</td>
<td>GEP</td>
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Select 1:

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<tr>
<td>STA 2023</td>
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<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science</td>
<td>GEP</td>
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### Core Requirements: Advanced Level

#### Math, Statistics, Computer

Select 1:

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<td>PCB 5275</td>
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<tr>
<td>1 ZOO 3701C</td>
<td>Human Gross Anatomy &amp; Dissection</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3733</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>Neurobiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 4630C</td>
<td>Embryology/Development</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4605</td>
<td>Human Clinical Embryology and Congenital</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ZOO 4704C</td>
<td>Clinical Neuroanatomy and Neuroscience</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 ZOO 4753C</td>
<td>Vertebrate Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 5745C</td>
<td>Essentials of Neuroanatomy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Chemistry

#### Take all of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

#### Core Requirements: Advanced Level

**Life Sciences**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>MCB 4414</td>
<td>Microbial Metabolism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4239</td>
<td>Molecular Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3522</td>
<td>Molecular Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4524</td>
<td>Molecular Biology II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods</td>
<td>4 hrs</td>
</tr>
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</table>

**Chemistry**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives

(7 courses minimum)

- Seven courses from the list below, 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 3404L | Bacterial Genetics and Physiology           | 3 hrs        |
| MCB 4114C   | Determinative & Systemic Microbiology       | 4 hrs        |
| 1 MCB 4203  | Infectious Processes                        | 3 hrs        |
| MCB 4204    | Cellular Microbiology: Host-Pathogen        | 3 hrs        |
| 1 MCB 4276  | Epidemiology of Infectious Diseases         | 3 hrs        |
| 1 MCB 4312  | Molecular Biotechnology                     | 3 hrs        |
| 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 3202C   | Techniques in Clinical Microscopy           | 3 hrs        |
| 1 MLS 3305  | Hematology                                 | 3 hrs        |
| 1 MLS 4334  | Hemostasis                                 | 3 hrs        |
| 1 MLS 4430C | Clinical Parasitology                       | 2 hrs        |
| 1 MLS 4505C | Immunodiagnostics                          | 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 4251    | 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 5236  | Immunobiology                              | 3 hrs        |
| PCB 5236    | Cancer 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 residence 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, the CLAS and nine hours of Summer credit (if applicable)

### 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): BCH 4053H Quantitative Biological Methods-Honors 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
### Plan of Study

#### Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 1105C College Algebra 3 hrs

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
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<tr>
<td>SYG 2000</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 1114 College Trigonometry 3 hrs
- BSC 2010C Biology I 4 hrs

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>1 SLS 2311C</td>
<td>2 hrs</td>
</tr>
<tr>
<td>1 Overview of Select Medical Careers</td>
<td>2 hrs</td>
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</tbody>
</table>

#### Sophomore Year - Fall

- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>4 hrs</td>
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<tr>
<td>MAC 2253</td>
<td>3 hrs</td>
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#### Select 1:

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
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<tr>
<td>AMH 2010</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WOH 2012</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Spring

- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 1000C</td>
<td>3 hrs</td>
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#### Select 1:

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EUH 2001</td>
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<tr>
<td>AMH 2020</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>3 hrs</td>
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</table>

#### Junior Year - Fall

- PCB 3522 Molecular Biology I 3 hrs
- 1 BSC 2011C Biology II 4 hrs

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PHY 2053C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>² PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
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#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

#### Senior Year - Fall

- PCB 4524 Molecular Biology II 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2054C College Physics II or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>¹ PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Senior Year - Spring

- 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.oesas.ucf.edu/alcap/what_is_a compact.html](http://www.oesas.ucf.edu/alcap/what_is_a compact.html)

#### Equipment Fees

- Full-Time Student: $78 per term
- Part-Time Student: $39 per term

#### Biomedical Sciences - Preprofessional Concentration (B.S.)

#### College of Medicine

**Burnett School of Biomedical Sciences**

Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335

[http://www.biomed.ucf.edu](http://www.biomed.ucf.edu)

**E-mail:** bcbsinfo@mail.ucf.edu

Dr. P.E. Kolattukudy, Chair

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 Public University/Community College System.
- Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA I 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.

---

**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 community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I requirement at the community college (lower division) level must take an additional 8 hours of upper division coursework at UCF.

**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 2040C
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2041C

---

**Equipment Fees**

Full-Time Student: $78 per term

Part-Time Student: $39 per term
A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Preferred SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
Required CGS 1060C Introduction to Computer Science or
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 Chemistry Fundamentals I GEP
2045C
CHM 2046 Chemistry Fundamentals Laboratory 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I GEP

Select one of the following sequences of courses:
PHY 2053C College Physics I and
PHY 2054C College Physics II 4 hrs
or
PHY 2048C Physics for Engineers & Scientists I and
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:
MAC 2311 Calculus with Analytic Geometry I or
MAC 2253 Applied Calculus I 4 hrs

Select 1:
STA 2023 Statistical Methods I or
CGS 1060C Introduction to Computer Science GEP 3 hrs

Chemistry
Take all of the following:
CHM 2210 Organic Chemistry I and
CHM 2211 Organic Chemistry II and
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 4229 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, of 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 3404 Bacterial Genetics and Physiology 3 hrs
MCB 4203 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 Parapsychology 2 hrs
MLS 4555C 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

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
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 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, the CLAS and nine hours of Summer credit (if applicable)
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 3403H Quantitative Biological Methods-Honors 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 community college are strongly encouraged to complete the sequence before transferring. If it is not possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) must take an additional 8 (eight) hours of upper division coursework at UCF.

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 2040C
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2041C

Plan of Study

Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 1105C College Algebra 3 hrs

Select 1:

- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring

- 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 1114 College Trigonometry 3 hrs

Sophomore Year - Fall

- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs

Select 1:

- MAC 2311 Calculus with Analytic Geometry I or 4 hrs
- MAC 2253 Applied Calculus I 3 hrs

Select 1:

- EUH 2000 Western Civilization I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2210 World Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs

Sophomore Year - Spring

- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

Select 1:

- STA 2023 Statistical Methods I or 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs

Select 1:

- EUH 2001 Western Civilization II or 3 hrs
- AMH 2200 U.S. History: 1877-Present or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2220 World Civilization II 3 hrs

Junior Year - Fall

- PCB 3522 Molecular Biology I 3 hrs
- 1 BSC 2011C Biology II 4 hrs

Select 1:

- PHY 2053C College Physics I or 4 hrs
- 2 PHY 2048C Physics for Engineers & Scientists I 4 hrs

Select 1:

- ECO 2013 Principles of Macroeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

- 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

- PCB 4524 Molecular Biology II 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- Restricted Elective 2 hrs

Select 1:

- PHY 2049C Physics for Engineers and Scientists II 4 hrs

- 1 Or BSC 3403C.

- 2 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall

- BCH 4053 Biochemistry I 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

Senior Year - Spring

- 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $39 per term
- Full-Time Student: $76 per term

Biotechnology (B.S.)

College of Medicine

Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E Kolattukudy, Chair
Dr. Henry Daniell, Program Director, daniell@mail.ucf.edu
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
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 before transferring within the Florida Public University/Community College System.
- Students should consult with a Departmental advisor.
- Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- 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
ENC 1102 Composition II 3 hrs
Prefer
SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
A: Communication Foundations
Required
STA 2023 Statistical Methods I 3 hrs

Select 1: 4 hrs
Required
MAC 2311 Calculus with Analytic Geometry I or
MAC 2253 Applied Calculus I 4 hrs

B: Cultural & Historical Foundations (9 hrs)
B: Cultural & Historical Foundations
Required
CHM 2045C Chemistry Fundamentals I 4 hrs
Required
BSC 2101C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Required
BSC 2010C Biology I GEP
1 BSC 2011C Biology II 4 hrs
2 CHM 2045C Chemistry Fundamentals I GEP

2045C

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 2311 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 2239 Molecular Immunology 3 hrs
PCB 2233L 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 2045L 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

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 Mechanisms 2 hrs
- MCB 3203 Pathogenic Microbiology 3 hrs
- MCB 3404 Bacterial Genetics and Physiology 3 hrs
- MCB 4203 Infectious Processes 3 hrs
- MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 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
- 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, the CLAS and nine hours of Summer credit (if applicable).

Total Semester Hours Required
- 120
### Freshman Year - Fall
- ENC 1101: Composition I (3 hrs)
- CHM 2045C: Chemistry Fundamentals I (4 hrs)
- Select 1: PSY 2012: General Psychology or SYG 2000: Introduction to Sociology or ANT 2000: General Anthropology (3 hrs)

### Freshman Year - Spring
- ENC 1102: Composition II (3 hrs)
- SPC 1603: Fundamentals of Technical Presentations (3 hrs)
- CHM 2046: Chemistry Fundamentals II (3 hrs)
- CHM 2048L: Chemistry Fundamentals Laboratory (1 hr)
- BSC 2010C: Biology I (4 hrs)

### Sophomore Year - Fall
- CHM 2210: Organic Chemistry I (3 hrs)
- MCB 3020C: General Microbiology (5 hrs)
- Select 1: MAC 2311: Calculus with Analytic Geometry I or MAC 2233: Applied Calculus I (4 hrs)
- Select 1: EUH 2000: Western Civilization I or AMH 2010: U.S. History: 1492-1877 or WOH 2012: World Civilization I or HUM 2210: Humanistic Tradition I or (3 hrs)

### Sophomore Year - Spring
- CHM 2211: Organic Chemistry II (3 hrs)
- CHM 2211L: Organic Laboratory Techniques I (2 hrs)
- BSC 3403C: Quantitative Biological Methods (4 hrs)
- Select 1: STA 2023: Statistical Methods I or CGS 1060C: Introduction to Computer Science (3 hrs)
- Select 1: EUH 2001: Western Civilization II or AMH 2020: U.S. History: 1877-Present or HUM 2230: Humanistic Tradition II or WOH 2022: World Civilization II (3 hrs)

### Junior Year - Fall
- PCB 3522: Molecular Biology I (3 hrs)
- MCB 4720: Industrial Perspectives Seminar (3 hrs)
- Select 1: ECO 2013: Principles of Macroeconomics or POS 2041: American National Government (3 hrs)
- Select 1: PHY 2053C: College Physics I or PHY 2048C: Physics for Engineers & Scientists II (4 hrs)

### Senior Year - Fall
- PCB 4254: Molecular Biology II (3 hrs)
- PCB 4239: Molecular Immunology (3 hrs)
- PCB 4233L: Immunology Laboratory (1 hr)
- BSC 2011C: Biology II (4 hrs)

### Senior Year - Spring
- 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)

### 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 3403H: Quantitative Biological Methods
  - MCB 4970H: Honors Undergraduate Thesis II (3 hrs)

### 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 STAX014 or STA X024 or STA X321

### Acceptable Substitutes
- CHM 2045C may be substituted with CHM 2040 and CHM 2041 (4 hrs)
- may be substituted with: BSC 3403C
- CHM 2046C: Chemistry Fundamentals I (4 hrs)
- may be substituted with: CHM 2040
- CHM 2045C: Chemistry Fundamentals I (4 hrs)

### Plan of Study

**Freshman Year - Fall**
- ENC 1101: Composition I (3 hrs)
- CHM 2045C: Chemistry Fundamentals I (4 hrs)
- Select 1: PSY 2012: General Psychology or SYG 2000: Introduction to Sociology or ANT 2000: General Anthropology (3 hrs)

**Freshman Year - Spring**
- ENC 1102: Composition II (3 hrs)
- SPC 1603: Fundamentals of Technical Presentations (3 hrs)
- CHM 2046: Chemistry Fundamentals II (3 hrs)
- CHM 2048L: Chemistry Fundamentals Laboratory (1 hr)
- BSC 2010C: Biology I (4 hrs)

**Sophomore Year - Fall**
- CHM 2210: Organic Chemistry I (3 hrs)
- MCB 3020C: General Microbiology (5 hrs)
- Select 1: MAC 2311: Calculus with Analytic Geometry I or MAC 2233: Applied Calculus I (4 hrs)
- Select 1: EUH 2000: Western Civilization I or AMH 2010: U.S. History: 1492-1877 or WOH 2012: World Civilization I or HUM 2210: Humanistic Tradition I or (3 hrs)

**Sophomore Year - Spring**
- CHM 2211: Organic Chemistry II (3 hrs)
- CHM 2211L: Organic Laboratory Techniques I (2 hrs)
- BSC 3403C: Quantitative Biological Methods (4 hrs)
- Select 1: STA 2023: Statistical Methods I or CGS 1060C: Introduction to Computer Science (3 hrs)
- Select 1: EUH 2001: Western Civilization II or AMH 2020: U.S. History: 1877-Present or HUM 2230: Humanistic Tradition II or WOH 2022: World Civilization II (3 hrs)

**Junior Year - Fall**
- PCB 3522: Molecular Biology I (3 hrs)
- MCB 4720: Industrial Perspectives Seminar (3 hrs)
- Select 1: ECO 2013: Principles of Macroeconomics or POS 2041: American National Government (3 hrs)
- Select 1: PHY 2053C: College Physics I or PHY 2048C: Physics for Engineers & Scientists II (4 hrs)

**Junior Year - Spring**
- PCB 4524: Molecular Biology II (3 hrs)
- PCB 4239: Molecular Immunology (3 hrs)
- PCB 4233L: Immunology Laboratory (1 hr)
- BSC 2011C: Biology II (4 hrs)

**Senior Year - Fall**
- 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)

**Senior Year - Spring**
- PCB 4529: Experimental Molecular Biology (3 hrs)
- PCB 4174: Foundation of Bio-Imaging Science (3 hrs)

**Honors College**
- For students who transfer in their junior year from the community college (cc), the revised sequence of courses is provided (it is assumed that GEP and physics will be completed at cc):
UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oecs.ucf.edu/aal/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $79 per term

Business Administration (B.A.B.A.)
College of Business Administration
Department of Management, Business Administration
II, Room: 101
http://www.bus.ucf.edu

E-mail: 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
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, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

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)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MAC 1140 Pre-Calculus Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1: Suggested ECO 2013 Principles of Macroeconomics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Suggested PSY 2012 General Psychology or
Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

<table>
<thead>
<tr>
<th>2. Common Program Prerequisites (CPP) (18 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Must be completed with a “C” (2.0) or better.</td>
</tr>
<tr>
<td>See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
</tr>
<tr>
<td>ACG 2021 Principles of Financial Accounting</td>
</tr>
<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Administration:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130 Legal and Ethical Environment of Business</td>
</tr>
<tr>
<td>ECO 3411 Quantitative Business Tools II</td>
</tr>
<tr>
<td>FIN 3403C Business Finance</td>
</tr>
<tr>
<td>GEB 3031 Cornerstone: Professional Skills for Business</td>
</tr>
<tr>
<td>GEB 3031L Cornerstone Lab: Professional Skills for Business</td>
</tr>
<tr>
<td>GEB 3375 Introduction to International Business</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
</tr>
<tr>
<td>MAR 3203 Supply Chain Management</td>
</tr>
</tbody>
</table>

1 Required in the 1st or 2nd semester
2 Must be taken with GEB 3031

5. Restricted Electives
- None

6. Capstone Requirements (4 hrs)

<table>
<thead>
<tr>
<th>First of subsequent semester in the College of Business Administration:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4720 Strategic Management</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>This course is taken in the graduating term and requires the following prerequisites:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3403C Business Finance</td>
</tr>
<tr>
<td>GEB 3031 Cornerstone: Professional Skills for Business</td>
</tr>
<tr>
<td>GEB 3031L Cornerstone Lab: Professional Skills for Business</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
</tr>
</tbody>
</table>

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
- None

10. Required Minors
- None

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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 Public Community College 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.
- 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

Acceptable Substitutes for Transfer Courses
- AGC 2021 Principles of Financial Accounting may be substituted with AGC 2021 and X001.

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Chemistry (B.S.)

College of Sciences

Department of Chemistry, Chemistry, Room: 117
http://chemistry.cos.ucf.edu/
E-mail: chemstaf@mail.ucf.edu
Dr. Pedro Patino
407-823-2245

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 community college, except in situations where one semester of a two semester sequence has already been taken at the community college
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- 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 2045 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 2311 Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - PHY 2048C Physics for Engineers I 4 hrs
  - PHY 2049C Physics for Engineers 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 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 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 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

CHM 2045 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 2311 Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
# UCF Degree Programs

## Physics for Engineers & Scientists I
- **Course:** PHY 2048C
- **Description:** Physics for Engineers and Scientists I
- **Credit Hours:** 4 hrs

**NOTE:** These courses are considered to be equivalents:
- A one semester course for students with a strong chemistry background and high Chem Placement scores:
  - CHM 2045C: Chemistry Fundamentals I (4 hrs)
  - Or - Students with little chemistry background should take 2 this semester equivalent instead.
  - CHM 2040: Chemistry Fundamentals IA and CHM 2041: Chemistry Fundamentals IB (3 hrs each)

## Core Requirements: Basic Level
- **Course:** BSC 2010C: Biology I
- **Credit Hours:** 4 hrs

## Core Requirements: Advanced Level
- **Course:** MAC 2313: Calculus with Analytic Geometry III
- **Credit Hours:** 4 hrs

## Select 1:
- **Course:** STA 1060C: Basic Statistics Using Microsoft Excel
- **Credit Hours:** 3 hrs
- **Course:** STA 2023: Statistical Methods I
- **Credit Hours:** 3 hrs

## Core Requirements: Advanced Level
- **Course:** BCH 4054: Biochemistry I
- **Credit Hours:** 3 hrs

## Select from the following courses:
- **Course:** CHM 2040: Chemistry Fundamentals IA and CHM 2041: Chemistry Fundamentals IB (3 hrs each)
- **Course:** CHM 2045C: Chemistry Fundamentals I (4 hrs)

## Directed Electives
- **Course:** CHM 4931: Chemistry Seminar II
- **Credit Hours:** 1 hr

## Capstone Requirements
- **Course:** CHM 4930: Chemistry Seminar I
- **Credit Hours:** 1 hr

## Foreign Language Requirements
- **Course:** ENC 1101: Composition I
- **Credit Hours:** 3 hrs

## Additional Requirements
- **Course:** CHM 4912: Directed Independent Research
- **Credit Hours:** 4 hrs

## Graduation
- **Course:** CHM 4930: Chemistry Seminar I
- **Credit Hours:** 1 hr
- **Course:** CHM 4931: Chemistry Seminar II
- **Credit Hours:** 1 hr

## Departmental Exit Requirements
- **Course:** CHM 2045C: Chemistry Fundamentals I
- **Credit Hours:** 4 hrs

## 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

## Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

## Transfer Notes
- Lower Division courses taken at community colleges 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://mathplacement.sdes.ucf.edu/

## Freshman Year - Fall
- **Course:** BSC 2010C: Biology I
- **Credit Hours:** 4 hrs
- **Course:** ENC 1101: Composition I
- **Credit Hours:** 3 hrs
- **Course:** MAC 2311: Calculus with Analytic Geometry I
- **Credit Hours:** 4 hrs
- **Course:** CHM 2045C: Chemistry Fundamentals I
- **Credit Hours:** 4 hrs
Major: CHEMISTRY

Freshman Year - Spring
ENC 1102  Composition II  3 hrs
GEP  3 hrs
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
MAC 2312  Calculus with Analytic Geometry II  4 hrs

Sophomore Year - Fall
PHY 2048C  Physics for Engineers & Scientists I  4 hrs
CHM 2210  Organic Chemistry I  3 hrs
MAC 2313  Calculus with Analytic Geometry III  4 hrs
Statistics  3 hrs

Sophomore Year - Spring
GEP  3 hrs
CHM 2211  Organic Chemistry II  3 hrs
PHY 2049C  Physics for Engineers and Scientists II  4 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs
Free Elective  2 hrs

Junior Year - Fall
16 hrs
GEP  3 hrs
BCH 4053  Biochemistry I  3 hrs
CHM 3120  Analytical Chemistry  3 hrs
CHM 3212L  Organic Laboratory Techniques II  2 hrs
CHM 3410  Physical Chemistry I  4 hrs
CHM 3120L  Analytical Chemistry Laboratory  1 hr

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
Restricted Elective  3 hrs
CHM 4130L  Advanced Analytical Chemistry Laboratory  2 hrs

Senior Year - Fall
16 hrs
GEP  3 hrs
CHM 4610L  Inorganic Chemistry Laboratory  2 hrs
CHM 4930  Chemistry Seminar I  1 hr
Restricted Elective  3 hrs
Free Elective  2 hrs
CHM 4912  Directed Independent Research  2 hrs
Free Elective  3 hrs

Senior Year - Spring
15 hrs
GEP  3 hrs
CHM 4912  Directed Independent Research  2 hrs
CHM 4931  Chemistry Seminar II  1 hr
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.oeas.ucf.edu/alc/academic_learning_compacts.htm
- Full-Time Student: $50 per term
- Part-Time Student: $25 per term

Chemistry - Biochemistry Track (B.S.)

College of Sciences
Department of Chemistry, CH, Room: 117
http://www.cos.ucf.edu/chemistry
E-mail: chemstaf@mail.ucf.edu
Dr. Pedro Patino
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.

Degree Requirements
- 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 community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- 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.
- UCF Department of Chemistry.

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 2311 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 PHY 2049C Physics for Engineers and Scientists II  4 hrs

2. Common Program Prerequisites (CPP) (20 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
  MAC 2311 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

3. Core Requirements: Basic Level (14 hrs)
  BSC 2010C Biology I  4 hrs
  PHY 2048C Physics for Engineers & Scientists I  4 hrs
  PHY 2049C Physics for Engineers and Scientists II  4 hrs

University of Central Florida

Undergraduate Catalog 2011-2012
Select one of the following statistics courses

- STA 1060C Basic Statistics Using Microsoft Excel or
- STA 2023 Statistical Methods I

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
- PCB 3023 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 4220 Organic Chemistry III 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

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.
- Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Forensic Science
- Biomedical Sciences

Certificates

- None

Related Minors

- Chemistry
- Biology
- Biomedical Sciences

Advising Notes

- None

Transfer Notes

- Lower Division courses taken at community colleges 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://mathplacement.sdes.ucf.edu/

- Freshman Year - Fall
  - BSC 2010C Biology I 4 hrs
  - ENC 1101 Composition I 3 hrs
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs

- Freshman Year - Spring
  - ENC 1102 Composition II 3 hrs
  - GEP 3 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - GEP 3 hrs

- Sophomore Year - Fall
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs
  - CHM 2210 Organic Chemistry I 3 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - GEP Statistics 3 hrs

- Sophomore Year - Spring
  - CHM 2211 Organic Chemistry II 3 hrs
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - CHM 3120 Analytical Chemistry 3 hrs
  - CHM 3120L Analytical Chemistry Laboratory 1 hr
  - PCB 3063 Genetics 3 hrs
Junior Year - Fall 14 hrs

GEP 3 hrs

BCH 4053 Biochemistry I 3 hrs

PCB 3003 Molecular Cell Biology 3 hrs

CHM 3212L Organic Laboratory Techniques II 2 hrs

GEP 3 hrs

Senior Year - Fall 16 hrs

CHM 3410 Physical Chemistry I 4 hrs

CHM 4912 Directed Independent Research 1 hr

Restricted Elective 3 hrs

Restricted Elective 4 hrs

CHM 4930 Chemistry Seminar I 1 hr

Restricted Elective 3 hrs

Senior Year - Spring 15 hrs

GEP 3 hrs

CHM 4912 Directed Independent Research 3 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

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.ceas.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, carol.pohl@ucf.edu
Dr. F. Necati Catbas, fikret.catbas@ucf.edu
407-823-2841

Admission Requirements

- None

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 State University/Community College Systems 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 1603 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 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)

- Select one course 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.

- 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 2311 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 Differential Equations 3 hrs
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs
  - 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 I 3 hrs
  - CHM 2041 Chemistry Fundamentals II 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)

- EGN 1006C Introduction to the Engineering Profession 1 hr
- or - First alternative: Select all of the following:
  - CHM 2040 Chemistry Fundamentals I 3 hrs
  - CHM 2041 Chemistry Fundamentals II 3 hrs

- or - Second alternative
  - CHM 2045C Chemistry Fundamentals I 4 hrs

- or - Third alternative
  - CHM 2040 Chemistry Fundamentals I 3 hrs
  - or - Second alternative
  - CHM 2041 Chemistry Fundamentals II 3 hrs

1. CES 4100C Fundamentals of Civil Engineering 4 hrs

2. CES 4100C Fundamentals of Civil Engineering 4 hrs

3. CES 4100C Fundamentals of Civil Engineering 4 hrs

4. CES 4100C Fundamentals of Civil Engineering 4 hrs

5. CES 4100C Fundamentals of Civil Engineering 4 hrs

6. CES 4100C Fundamentals of Civil Engineering 4 hrs

7. CES 4100C Fundamentals of Civil Engineering 4 hrs

8. CES 4100C Fundamentals of Civil Engineering 4 hrs

9. CES 4100C Fundamentals of Civil Engineering 4 hrs

10. CES 4100C Fundamentals of Civil Engineering 4 hrs

11. CES 4100C Fundamentals of Civil Engineering 4 hrs

12. CES 4100C Fundamentals of Civil Engineering 4 hrs

13. CES 4100C Fundamentals of Civil Engineering 4 hrs

14. CES 4100C Fundamentals of Civil Engineering 4 hrs

15. CES 4100C Fundamentals of Civil Engineering 4 hrs

16. CES 4100C Fundamentals of Civil Engineering 4 hrs

17. CES 4100C Fundamentals of Civil Engineering 4 hrs

18. CES 4100C Fundamentals of Civil Engineering 4 hrs

19. CES 4100C Fundamentals of Civil Engineering 4 hrs

20. CES 4100C Fundamentals of Civil Engineering 4 hrs

21. CES 4100C Fundamentals of Civil Engineering 4 hrs

22. CES 4100C Fundamentals of Civil Engineering 4 hrs

23. CES 4100C Fundamentals of Civil Engineering 4 hrs

24. CES 4100C Fundamentals of Civil Engineering 4 hrs

25. CES 4100C Fundamentals of Civil Engineering 4 hrs

26. CES 4100C Fundamentals of Civil Engineering 4 hrs

27. CES 4100C Fundamentals of Civil Engineering 4 hrs

28. CES 4100C Fundamentals of Civil Engineering 4 hrs

29. CES 4100C Fundamentals of Civil Engineering 4 hrs

30. CES 4100C Fundamentals of Civil Engineering 4 hrs

31. CES 4100C Fundamentals of Civil Engineering 4 hrs

32. CES 4100C Fundamentals of Civil Engineering 4 hrs

33. CES 4100C Fundamentals of Civil Engineering 4 hrs

34. CES 4100C Fundamentals of Civil Engineering 4 hrs

35. CES 4100C Fundamentals of Civil Engineering 4 hrs

36. CES 4100C Fundamentals of Civil Engineering 4 hrs

37. CES 4100C Fundamentals of Civil Engineering 4 hrs

38. CES 4100C Fundamentals of Civil Engineering 4 hrs

39. CES 4100C Fundamentals of Civil Engineering 4 hrs

40. CES 4100C Fundamentals of Civil Engineering 4 hrs

41. CES 4100C Fundamentals of Civil Engineering 4 hrs

42. CES 4100C Fundamentals of Civil Engineering 4 hrs

43. CES 4100C Fundamentals of Civil Engineering 4 hrs

44. CES 4100C Fundamentals of Civil Engineering 4 hrs

45. CES 4100C Fundamentals of Civil Engineering 4 hrs

46. CES 4100C Fundamentals of Civil Engineering 4 hrs

47. CES 4100C Fundamentals of Civil Engineering 4 hrs

48. CES 4100C Fundamentals of Civil Engineering 4 hrs

49. CES 4100C Fundamentals of Civil Engineering 4 hrs

50. CES 4100C Fundamentals of Civil Engineering 4 hrs

51. CES 4100C Fundamentals of Civil Engineering 4 hrs

52. CES 4100C Fundamentals of Civil Engineering 4 hrs

53. CES 4100C Fundamentals of Civil Engineering 4 hrs

54. CES 4100C Fundamentals of Civil Engineering 4 hrs

55. CES 4100C Fundamentals of Civil Engineering 4 hrs

56. CES 4100C Fundamentals of Civil Engineering 4 hrs

57. CES 4100C Fundamentals of Civil Engineering 4 hrs

58. CES 4100C Fundamentals of Civil Engineering 4 hrs

59. CES 4100C Fundamentals of Civil Engineering 4 hrs

60. CES 4100C Fundamentals of Civil Engineering 4 hrs

61. CES 4100C Fundamentals of Civil Engineering 4 hrs

62. CES 4100C Fundamentals of Civil Engineering 4 hrs

63. CES 4100C Fundamentals of Civil Engineering 4 hrs

Select 3:

- Take 3 from the following:
  - CEG 4012 Geotechnical Engineering II 3 hrs
  - CWR 4633C Water Resources Engineering II 3 hrs
  - ENV 4561 Environmental Engineering Operations & Processes II 3 hrs
  - TTE 4274 Transportation Engineering Systems 3 hrs

A “C” (2.0) or better is required in this course.
UCF Degree Programs

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.
   - The Civil Engineering program offers the opportunity for exception-
     ally well qualified undergraduates to enter directly into the PhD program
     after completion of an appropriate BS degree. This option allows out-
     standing 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.

6. Capstone Requirements (6 hrs)
   - Senior Design Courses
     - CGN 4808C CECE Capstone Design 3 hrs
   - Design Specialization 3 hrs
     - 1 CEG Geotechnical Engineering Design or 3 hrs
     - CES 4743C Structural Design or 3 hrs
     - 1 CWR Water Resources Design or 3 hrs
     - 4812C
     - 1 ENV 4562C Environmental Engineering Water Treatment Design or
     - 1 TTE 4601C Urban Systems Design 3 hrs
   - A ‘C’ (2.0) or better is required in this course.

7. Foreign Language Requirements
   - Two years of foreign language in high school, or one year of foreign
     language in college (or equivalent proficiency exam) prior to graduation.

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.
   - Complete the General Education Program, the Gordon Rule, the
     CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 128

Graduation
   - 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 resi-
      dency 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, the
      CLAS and nine hours of Summer credit (if applicable)

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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 aca-
     demic 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 prog-
     ress is being maintained.

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 engineer-
     ing 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 2311 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 Differential Equations 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

Senior Year - Spring 15 hrs
   - GEP 3 hrs
   - CES 4605 Steel Structures 3 hrs
   - ENV 4531 Environmental Engineering Operations & Processes I 3 hrs

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 aca-
     demic 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 prog-
     ress is being maintained.

Transfer Notes
   - Courses taken from Community Colleges 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 syl-
     labus) 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 engineer-
     ing 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 2311 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 Differential Equations 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

Senior Year - Spring 15 hrs
   - GEP 3 hrs
   - CES 4605 Steel Structures 3 hrs
   - ENV 4531 Environmental Engineering Operations & Processes I 3 hrs

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 aca-
     demic 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 prog-
     ress is being maintained.
**UCF Degree Programs**

**Communication Sciences and Disorders (B.A. / B.S.)**

**College of Health and Public Affairs**

**Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101**


**E-mail:** advising@mail.ucf.edu

Dr. Cecyle Carson, Undergraduate Program Coordinator

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 Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
- Students must earn at least a "C-" (1.75) in each required 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
   - Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

   **B: Cultural & Historical Foundations** (9 hrs)
   - Select 1:
     - Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
     - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics
   - Select 1:
     - Suggested PST 2012 General Psychology

   **C: Mathematical Foundations** (6 hrs)
   - Suggested ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
   - Suggested POS 2041 American National Government

   **E: Science Foundations** (6 hrs)
   - Prefer BSC 1005 Biological Principles
   - Required PHY 2XXX Physics Course

2. **Common Program Prerequisites (CPP)**

   - STA 2044C Principles of Statistics
   - BSC 1005 Biological Principles
   - PSY 2012 General Psychology
   - PHY 2XXX Physics Course

3. **Core Requirements: Basic Level**

   - None

4. **Core Requirements: Advanced Level** (56 hrs)

   **Core Requirements** (53 hrs)
   - DEP 2004C Developmental Psychology
   - SPA 3471 Communication Disorders in Literature and Media
   - SPA 3101 Physiological Bases of Speech and Hearing
   - SPA 3112 Basic Phonetics
   - SPA 3112L Basic Phonetics Lab
   - LIN 3716 Language Development
   - SPA 3011 Speech Science I: Production
   - SPA 3011L Speech Production Lab
   - SPA 3104 Neural Bases of Communication
   - SPA 3123 Speech Science II: Perception
   - SPA 3123L Speech Perception Lab
   - SPA 4476 Speech Disorders Across the Lifespan
   - SPA 4032 Audiology
   - SPA 4478 Multicultural Aspects of Communication Disorders & Differences
   - SPA 4400 Language Disorders Across the Life Span
   - SPA 4321 Audiology Rehabilitation
   - LIN 3713 Language Science
   - SPA 4870C Capstone Course

   **Select 1:** (3 hrs)
   - EAB 3703C Principles of Behavior Modification
   - EEX 4601 Introduction to Behavior Management
   - EEC 4604 Classroom Management and Guidance for Young Children
   - EDC 3303 Learning Environments and Guidance for Young Children
   - SPA 3472 Guidance of Young Children with Communication Disorders

   **Statistics Requirement** (3 hrs)
   - Students have two options for completing this requirement:

     **Option 1:** (3 hrs)
     - STA 2023 Statistical Methods I and STA 4163 Statistical Methods II

     **Option 2:** (3 hrs)
     - STA 2044C Principles of Statistics and SPA 4803 Research Methods in Communication Sciences and Disorders
     - STA 2023 Statistical Methods I and SPA 4803 Research Methods in Communication Sciences and Disorders

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.
UCF Degree Programs

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 required
        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 resi-
      dency 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, the
      CLAS and nine hours of Summer credit (if applicable)

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

Certificates
■ None

Related Minors
■ Exceptional Education
■ Early Childhood Education
■ Aging Studies
■ Health Services Administration
■ Interpersonal/Organizational 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
■ Courses taken at community colleges 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 16 hrs
ENC 1101  Composition I  3 hrs
PSY 2012  General Psychology  3 hrs
BSC 1005L  Biological Principles Laboratory  1 hr
BSC 1005  Biological Principles  3 hrs
Free Elective  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 2100  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 15 hrs
ENC 1102 Composition II  3 hrs
DEP 2004C Developmental Psychology  3 hrs
Select 1: 3 hrs
PHY 2XXX (Physics Course)  3 hrs

Select 1: 3 hrs
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: 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

Sophomore Year - Fall 15 hrs
SPC 1608 Fundamentals of Oral Communication  3 hrs
SPA 3471 Communication Disorders in Literature and 3 hrs
               Media
Free Elective  3 hrs

Select 1: 3 hrs
EEX 4601 Introduction to Behavior Management  3 hrs
AMH 2020 U.S. History: 1877-Present  3 hrs

Select 1: 3 hrs
MGF 1106 Finite Mathematics or 3 hrs
MAC 1105C College Algebra  3 hrs

Sophomore Year - Spring 13 hrs
■ 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: 3 hrs
EAB 3070C Principles of Behavior Modification or 4 hrs
EDF 3303 Learning Environments and Guidance for 3 hrs
Young Children or
EEX 4601 Introduction to Behavior Management or 3 hrs
EEC 4604 Classroom Management and Guidance of 3 hrs
Young Children or
SPA 3472 Guidance of Young Children with 3 hrs
   Communication Disorders

Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I  3 hrs

Sophomore Year - Summer 9 hrs
■ Students taking American Sign Language (ASL) to satisfy B.A. for-
  eign 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
### Degree Requirements

#### C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

#### D: Social Foundations (6 hrs)
- Select 1:
  - Prefer ECO 2031 Principles of Macroeconomics 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 2311 Calculus with Analytic Geometry I GEP
2. MAC 2312 Calculus with Analytic Geometry II 4 hrs
3. MAC 2313 Calculus with Analytic Geometry III 4 hrs
4. MAP 2302 Differential Equations 3 hrs
5. PHY 2048C Physics for Engineers & Scientists I GEP
6. PHY 2049C Physics for Engineers & Scientists II 4 hrs

Select 1:
- 2 CHS 1440 Fundamentals of Chemistry for Engineers or 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- A “C” (2.0) or better is required in this course.
- 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 sections 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** (54 hrs)

#### Engineering Core
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP 3 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

#### Courses Required for the Major
- COT 3100C Introduction to Discrete Structures 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3330 Object Oriented Programming 3 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- EEL 3004 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 4768C Computer Architecture 4 hrs
- EEL 4781 Computer Communication Networks 3 hrs
- COP 4600 Operating Systems 3 hrs

### Undergraduate Catalog 2011-2012

**UNIVERSITY OF CENTRAL FLORIDA**

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**Computer Engineering (B.S.P.E.)**

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346**

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

E-mail: undergraduate@eecs.ucf.edu

Dr. Samuel Richie
Charlese Hilton-Brown
407-823-3327

**Admission Requirements**

- None

**Degree Requirements**

- None

1. **UCF General Education Program (GEP)** (38 hrs)
   - 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 State University/Community College Systems 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:
- Suggested SPC 1603 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

**Courses Effective Fall 2012**

- 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 - Fall**

- 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
- Restricted Elective 3 hrs
- Equipment Fees
  - Part-Time Student: $17.50 per term
  - Full-Time Student: $35.00 per term

**Senior Year - Fall**

- 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
- STA 4163 Statistical Methods II or 3 hrs
- SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm](http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**
- Student Learning Outcomes

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- Full-Time Student: $35.00 per term
UCF Degree Programs

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
- EEL 4914 Senior Design I (6 hrs)
- EEL 4915L Senior Design II (3 hrs)

7. Foreign Language Requirements
- 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.
- None

8. Electives
- None

9. Additional Requirements
- Computer engineering students must earn at least 32 hours in residence at UCF.
- 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, the CLAS and nine hours of Summer credit (if applicable)

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 Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency. 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
- EGN 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- GEPS- Historical Foundation 3 hrs

Freshman Year - Spring
- 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
- COP 3223 Introduction to Programming with C 3 hrs

Sophomore Year - Fall
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EEN 3100C Introduction to Discrete Structures 3 hrs
- EEN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- GEPS- Historical Foundation 3 hrs

Sophomore Year - Spring
- EEN 3304 Electrical Networks 3 hrs
- EEE 3342C Digital Systems 3 hrs
- MAP 2302 Differential Equations 3 hrs
- ENC 1102 Composition II 3 hrs

Select 1:
- 1 CHS 1440 Fundamentals of Chemistry for Engineers or
- CHM 2045C Chemistry Fundamentals I 4 hrs

Sophomore Year - Summer
- EEN 3123C Networks and Systems 4 hrs
- EEN 3801C Computer Organization 3 hrs
- GEPS- Cultural Foundation 3 hrs

Junior Year - Fall
- COP 3330C Object Oriented Programming 3 hrs
- COP 3520C Computer Science I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EEE 3307C Electronics I 4 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Spring
- COP 3530C Computer Science II 4 hrs
- EEE 4742C Embedded Systems 4 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- GEPS- Social Foundation 3 hrs

Senior Year - Fall
- EEN 4768C Computer Architecture 4 hrs
- EEN 4914 Senior Design I 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics 3 hrs

Senior Year - Spring
- COP 4600 Operating Systems 3 hrs
- EEN 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.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Computer Science (B.S.)

College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346 http://www.eecs.ucf.edu

E-mail: undergraduate@eecs.ucf.edu

Dr. Ali Orooji
Julie Faris
407-823-3327

Admission Requirements

- 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.

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 Computer Science 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 EI 1101 Composition I 3 hrs
- Required EI 1102 Composition II 3 hrs

Select 1:
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 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 2049C 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.

Services section for more information.

- COP 3223 Introduction to Programming with C 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 3 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs

Select 2:

- 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 3 hrs
- BSC 2011C Biology II 3 hrs
- CMH 2045C Chemistry Fundamentals I 4 hrs
- CMH 2046 Chemistry Fundamentals II 3 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

3. Core Requirements: Basic Level (25 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 4 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 (20 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 4 hrs
- EEL 4768C Computer Architecture 4 hrs
- COP 4020 Programming Languages I 3 hrs
- COP 4600 Operating Systems 3 hrs
- COT 4810 Topics in Computer Science 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 Differential Equations 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

- 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
- Complete the General Education Program, the Gordon Rule, the 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 residence 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, the UCF Degree Programs
- CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120
U CF Degree Programs

Honors In Major
■ None

Related Programs
■ Computer Engineering
■ Information Technology
■ None

Certificates
■ None

Transfer Notes
■ Courses taken at community colleges 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
SPC 1603 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
ENC 1102 Composition II 3 hrs
MAC 2311 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
MAC 2312 Calculus with Analytic Geometry II 4 hrs
COP 3330 Object Oriented Programming 3 hrs
Sophomore Year - Fall
COP 3402 Systems Software 3 hrs
COP 3503C Computer Science II 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
GEP 3 hrs
Sophomore Year - Spring
COP 4351C Processes for Object-Oriented Software Development 4 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
STA 2023 Statistical Methods I 3 hrs
GEP 3 hrs
Junior Year - Fall
EEL 4768C Computer Architecture 4 hrs
COP 4020 Programming Languages I 3 hrs
BSC 2010C Biology I 4 hrs
GEP 3 hrs
Junior Year - Spring
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
COT 4210 Discrete Structures II 3 hrs
Senior Year - Fall
COT 4810 Topics in Computer Science 3 hrs
CS Restricted Elective 3 hrs
GEP 3 hrs
Free Elective 3 hrs
Senior Year - Spring
CS Restricted Elective 3 hrs
GEP 3 hrs
Math/Stat Restricted Elective 3 hrs
Multicultural 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: $45 per term
■ Full-Time Student: $90 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, carol.pohl@ucf.edu
Dr. Amr A. Olouf, amr.ouelf@ucf.edu
407-823-2841

Admission Requirements
■ None

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 State University/Community College Systems 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 1603 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 2311 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 and 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 2311 and PHY 2048/48L also satisfy UCF GEP.
A grade of "C" (2.0) or better is required in each course in this section.

MAC 2311 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 Differential Equations 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 I 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

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
1 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
1 CCE 4402 Construction Equipment and Productivity 3 hrs
1 CCE 4404 Construction Methods 3 hrs
1 CGN 3501C Civil Engineering Materials 3 hrs
1 CGN 3700C Civil Engineering Measurements 4 hrs
1 CWR 4632C Water Resources Engineering I 4 hrs
1 AGC 2071 Principles of Managerial Accounting 3 hrs
1 CES 4100C Structural Analysis I and Lab 4 hrs

Structural Depth

CES 4605 Steel Structures or 3 hrs
CES 4702 Reinforced Concrete Structures 3 hrs

5. Restricted Electives (3 hrs)

-Geotechnical Engineering

1 CEG Geotechnical Engineering I and 4 hrs
4011C
1 CEG Geotechnical Engineering II 3 hrs

- Transportation Engineering

TTE 3810 Highway Engineering and 3 hrs
TTE 4274 Transportation Engineering Systems 3 hrs

A "C" (2.0) or better is required in this course.

6. Capstone Requirements (6 hrs)

- Required Senior Design Courses

1 CCE 4810C Construction Design Project 3 hrs
CGN 4800C CEECE Capstone Design 3 hrs

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, the CLAS and nine hours of Summer credit (if applicable)

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 Community Colleges 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)

Freshman Year - Fall

14 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.
- ENC 1101 Composition I 3 hrs
- GEP 6 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
UCF Degree Programs

Criminal Justice (B.A. / B.S.)

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
E-mail: cjadvise@mail.ucf.edu

Mary Ann Eastep
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 Public University/Community College System.
- The courses designated in section 1 below may be taken at a Florida Community College, 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
- 3 hrs

Suggested STA 1060C Basic Statistics Using Microsoft Excel or
- 3 hrs

Suggested STA 2014C Principles of Statistics
- 3 hrs

Select 1:
- 3 hrs

Suggested MGF 1106 Finite Mathematics
- 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 (18 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

5. Restricted Electives (42 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.
- 15 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

**Honors in Major**
- Interested students should consult with a faculty advisor.

### Related Programs
- Legal Studies

### Certificates
- None

### 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 MAC 1105C College Algebra 3 hrs
- Select 1: 3 hrs
  - PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology 3 hrs
- Select 1: 3 hrs
  - EUH 2001 Western Civilization I or HUM 2210 Humanistic Tradition I or AMH 2020 U.S. History: 1877-Present 3 hrs

#### Freshman Year - Spring
- 15 hrs
  - ENC 1102 Composition II 3 hrs
  - CGS 1060C Introduction to Computer Science 3 hrs
- Select 1: 3 hrs
  - PSC 1121 Physical Science or CHM 1020 Concepts in Chemistry 3 hrs
- Select 1: 3 hrs
  - PHI 2010 Introduction to Philosophy or MUL 2010 Enjoyment of Music 3 hrs

#### Sophomore Year - Fall
- 15 hrs
  - Select 1: 3 hrs
    - ARH 2050 History of Western Art I or THE 2000 Theatre Survey or REL 2300 World Religions or PHI 2010 Introduction to Philosophy or LIT 2110 World Literature I or LIT 2120 World Literature II

#### Sophomore Year - Spring
- 15 hrs
  - Select 1: 3 hrs
    - EUH 2001 Western Civilization II or HUM 2230 Humanistic Tradition II or AMH 2020 U.S. History: 1877-Present

#### Junior Year - Fall
- 15 hrs
  - Select 1: 3 hrs
    - BSC 1005 Biological Principles or MCB 1310 Introduction to Biotechnology and Genetic Engineering or GLY 1030 Geology and its Applications or PSC 1121 Physical Science or ANT 2511 The Human Species

#### Junior Year - Spring
- 15 hrs
  - Select 1: 3 hrs
    - POS 2041 American National Government or ECO 2013 Principles of Macroeconomics

#### Senior Year - Fall
- 15 hrs
  - Select 1: 3 hrs
    - CJL 3510 Prosecution and Adjudication or CJ 3030 Corrections and Penology or Restricted Elective or Supporting Elective or CJ Elective

#### Senior Year - Spring
- 12 hrs
  - 1 If necessary
    - Free Elective 3 hrs
    - Free Elective 3 hrs
    - 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Digital Media (B.A.)
#### College of Arts and Humanities
#### School of Visual Arts and Design, 12461 Research Parkway, 500 OTC
http://www.svad.cah.ucf.edu
407-823-6100

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 understand-
UCF Degree Programs

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**
- UCF 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, except DIG 2000 and DIG 4713 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design at UCF.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should see the School's advisor prior to selecting this major, and at least annually thereafter.

**1. UCF General Education Program (GEP)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>9</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>7</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>6</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>6</td>
</tr>
</tbody>
</table>

**2. Core Requirements: Basic Level**

- Admission to all courses after DIG 2000 is dependent on the student’s achieving at least a ‘B’ (3.0) in DIG 2000.

**Digital Media Core: Basic**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 2000 Introduction to Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2030C Digital Video Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2109C Digital Imaging Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>DIG 2500C Fundamentals of Interactive Design</td>
<td>3</td>
</tr>
</tbody>
</table>

**Digital Media Core: Advanced**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 3024 Digital Cultures &amp; Narrative</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3480C Computer as a Medium</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3525 Digital Media Production I</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4780C Modeling for Realtime Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

**Game Design**

- Admission to all courses after DIG 4713 is dependent on the student’s achieving at least a "B" (3.0) in DIG 4713.

**Game Design: Basic Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223 Introduction to Programming with C and</td>
<td>3</td>
</tr>
<tr>
<td>COP 3330 Object-Oriented Programming and</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4630C Media Business Practices and</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4713 Game Design and</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4715C Game Production and</td>
<td>3</td>
</tr>
<tr>
<td>DIG 4720C Casual Game Production and</td>
<td>3</td>
</tr>
<tr>
<td>FIL 3720C Introduction to Animation and</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2151C Illustration</td>
<td>3</td>
</tr>
</tbody>
</table>

**Game Design: Restricted Electives** 18 hrs

- Complete 18 hours of credits from the following areas:

**Web Design**

- Complete 18 hours of credits from the following areas:

**Web Design: Basic Concentration** 24 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 3134 Media Software Design and</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3563 Information Management and</td>
<td>3</td>
</tr>
<tr>
<td>Entrepreneurship and</td>
<td></td>
</tr>
<tr>
<td>DIG 3716C Internet Interaction and</td>
<td>3</td>
</tr>
<tr>
<td>GRA 3830C Intermediate Computer Graphic Design</td>
<td>3</td>
</tr>
</tbody>
</table>

**Web Design: Restricted Electives** 18 hrs

- Complete 18 hours of credits from the following areas:

**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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required** 120

**Honors in Major**

- None

**Related Programs**

- Computer Science
- English - Creative Writing
- English - Literature
- English - Technical Communication
- Film - Cinema Studies Track
- Music

**Certificates**

- None
Early Childhood Development and Education
Track 1: Education: Pre-Kindergarten - Primary (PK-3) (B.S.)

College of Education
Department of Child, Family and Community Sciences,
Education Building, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.ucf.edu
407-823-4615

EDUCATION: PRE-KINDERGARTEN-PRIMARY (PK-3) TRACK

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- 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 (GKT) and 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 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 their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

Degree Requirements
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail (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.ftpce.org for available test dates and test sites. FTCE General Knowledge Test (GKT)-(if CLAS was used for admission) 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) - (if CLAS was used for admission) 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)

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 2101 Introduction to Philosophy or 3 hrs
- Prefer LIT 2110 World Literature I or 3 hrs
- Prefer LIT 2120 World Literature II or 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 1060C 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 2102 General Psychology 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1 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
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - EME 2040 Introduction to Technology for Educators 3 hrs
  - EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs

3. Core Requirements: Basic Level (15 hrs)
- Other Program Prerequisites
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
  - EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs
UCF Degree Programs

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

1 Courses taken at community colleges 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).
     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 12 Florida Educator Accomplished Practices at the pre-professional level 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 residence 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, the CLAS and nine hours of Summer credit (if applicable)

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
   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

UNIVERSITY OF CENTRAL FLORIDA
## Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040 Introduction to Technology for Educators</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select 1:**
- BSC 1005 Biological Principles or 3 hrs
- ANT 2511 The Human Species 3 hrs

**Select 1:**
- STA 2014C Principles of Statistics or 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- GEP B1 Elective (Prefer AMH 2010) 3 hrs

## Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 EDF 2130 Child and Adolescent Development for Educators</td>
<td>3</td>
</tr>
<tr>
<td>1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4731 Health, Safety, and Nutrition for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>GEP B3 Elective (Prefer AMH 2020)</td>
<td>3</td>
</tr>
</tbody>
</table>

**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](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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>EEC 4604 Classroom Management and Guidance of Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4207 Assessment and Evaluation of Young Children</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4240 Issues in Second Language Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4268 Curriculum Activities in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>EEX 3450 Young Children With Special Needs</td>
<td>3</td>
</tr>
</tbody>
</table>

**Junior Year - Summer**

- Please note: It is strongly recommended to take the Professional Education Test (PdEd) 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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4300 Math Curriculum and Assessment in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>SCE 4304 Teaching Science and Technology to Young Children</td>
<td>3</td>
</tr>
<tr>
<td>RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4943 Student Teaching</td>
<td>12</td>
</tr>
</tbody>
</table>

**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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

## Early Childhood Development and Education

### Track 2: Early Childhood Development (B.S.)

#### College of Education

**Department of Child, Family and Community Sciences, Education Complex, Room: 209**

[http://education.ucf.edu/ece/](http://education.ucf.edu/ece/)

**E-mail: ece@mail.ucf.edu**

Dr. Judy Levin, 122L, jlevin@mail.ucf.edu

407-823-4615

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Meet the CLAS requirement.
- 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 e-mail(ece@mail.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 ENGL 1101 Composition I 3 hrs
- Required ENGL 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 2301 Introduction to Philosophy or 3 hrs
- Prefer LIT 2110 World Literature I or 3 hrs
- Prefer LIT 2120 World Literature II or 3 hrs
- General Education Program elective from section B1 to meet Gordon Rule Requirement.
- General Education Program elective: Refer to GEP section B1.

#### C: Mathematical Foundations (6 hrs)

- Select 1: 3 hrs
- Prefer MGF 1106 Finite Mathematics or 3 hrs
- Prefer MGF 1107 Explorations in Mathematics or 3 hrs

- Select 1: 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs

#### D: Social Foundations (6 hrs)

- Prefer PSY 2012 General Psychology or 3 hrs
- Prefer POS 2041 American National Government or 3 hrs

#### E: Science Foundations (6 hrs)

- Prefer PSC 1121 Physical Science or 3 hrs
## UCF Degree Programs

### 2. Common Program Prerequisites (CPP)

- 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

- **MUE 2211** Early Childhood Music and Movement 3 hrs
- **ARE 2000** Early Childhood Art and Creativity 3 hrs
- **SYG 2010** Social Problems 3 hrs

#### Select 1:

- **EDF 2130** Child and Adolescent Development for Educators or
- **SW 3104** Assessing I: Human Development 3 hrs

Select two electives; Meet with advisor for guidance in selecting electives

### 4. Core Requirements: Advanced Level

- 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700</td>
<td>Social and Emotional Development of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4661</td>
<td>Early Childhood Education Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3310</td>
<td>Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4751</td>
<td>Parent Involvement in Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>Language Development</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Semester II

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4207</td>
<td>Assessment and Evaluation of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4050C</td>
<td>Motor Development and Learning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 3414</td>
<td>Literature for Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4731</td>
<td>Health, Safety, and Nutrition for Young Children</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Semester III

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4402</td>
<td>Cultural and Family Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4528</td>
<td>Infant/Toddler Care and Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4414</td>
<td>Parent-Child Relations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select one Early Childhood Development Track Elective 3 hrs

- **Note:** Students must consult with their advisor regarding approval for elective options.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4288</td>
<td>Curriculum Activities in Early Childhood or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4524</td>
<td>Organization and Management in Early Childhood or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 3604C</td>
<td>Cognitive Psychology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PEO 3041</td>
<td>Games Analysis or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3820</td>
<td>Teaching Sports Skills I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4640</td>
<td>Adapted Physical Education or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4710</td>
<td>Methods for Physical Activity for Children or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in School or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4650</td>
<td>Child Abuse: Treatment and Prevention or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4654</td>
<td>Children’s Services</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Semester IV

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4940</td>
<td>Practicum: Early Childhood Development</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

- None

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- None

---

**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, the CLAS and nine hours of Summer credit (if applicable)**

**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.

**Transfer Notes**

- Courses taken at community colleges 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select Elective if needed</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Freshman Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Social Problems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>REL 2300 World Religions or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 2110</td>
<td>World Literature I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Freshman Year - Summer**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 2000</td>
<td>Early Childhood Art and Creativity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUE 2111</td>
<td>Early Childhood Music and Movement</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
**Sophomore Year - Fall**  
15 hrs
- Transfer Note: Courses taken at community colleges 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 or 3 hrs
- Select 1: 3 hrs
- STA 2014C  Principles of Statistics or 3 hrs
- STA 1060C  Basic Statistics Using Microsoft Excel 3 hrs
- GEP B1 elective (Prefer AMH 2010) or 3 hrs
- Select Elective if needed 3 hrs

**Sophomore Year - Spring**  
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 3 hrs

**Sophomore Year - Summer**  
- Note: Student must meet CLAS requirement 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**  
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 3716  Language Development 3 hrs

**Junior Year - Spring**  
15 hrs
- EEC 4604  Classroom Management and Guidance of Young Children 3 hrs
- EEC 4207  Assessment and Evaluation of Young Children 3 hrs
- LAE 3414  Literature for Children 3 hrs
- PET 4050C  Motor Development and Learning 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 4731  Health, Safety, and Nutrition for Young Children 3 hrs

**Senior Year - Fall**  
12 hrs
- EEC 4402  Cultural and Family Systems 3 hrs
- EEC 4528  Infant/Toddler Care and Education 3 hrs
- EEC 4414  Parent-Child Relations 3 hrs
- Select Elective 3 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.oecs.ucf.edu/academic_learning_compacts.htm

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**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  
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**  
   - Prefer SPC 1608  Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations**  
   - Required STA 2023  Statistical Methods I 3 hrs

   **C: Mathematical Foundations**  
   - Required STA 2023  Statistical Methods I 3 hrs

2. **Common Program Prerequisites (CPP)** (3 hrs)

   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

   **1. UCF General Education Program (GEP)** (36 hrs)
   - Select 1: 3 hrs
     - Suggested ECO 2013  Principles of Macroeconomics 3 hrs
     - Suggested ECO 2023  Principles of Microeconomics 3 hrs

3. **Core Requirements: Basic Level**

   - None

4. **Core Requirements: Advanced Level** (16 hrs)

   - ECO 3101  Intermediate Microeconomics 3 hrs
   - ECO 3200  Intermediate Macroeconomics 3 hrs
   - ECO 4451  Research Methods in Economics 3 hrs

5. ** Restricted Electives** (18 hrs)

   - All B.A. Economics majors will be required to take a minimum of six (6) electives by choosing from the following:
     - ECO 3223  Money and Banking 3 hrs
     - ECO 3410  Mathematical Economics 3 hrs
## UCF Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3703</td>
<td>International Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3704</td>
<td>Global Economic Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4303</td>
<td>History of Economic Thought</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4412</td>
<td>Econometrics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4504</td>
<td>Public Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4713</td>
<td>International Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4751</td>
<td>Law and Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECP 3203</td>
<td>Labor Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECP 4303</td>
<td>Environmental and Natural Resource</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECP 4403</td>
<td>Industrial Organization and Game Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECS 4013</td>
<td>Development Economics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

- **Freshman Year - Fall**
  - ECO 3410: Mathematical Economics (3 hrs)
  - ECO 3703: International Microeconomics (3 hrs)
  - ECO 4412: Econometrics (3 hrs)
  - ECO 4504: Public Economics (3 hrs)
  - ECP 4403: Industrial Organization and Game Theory (3 hrs)

### Advising Notes
- **None**

### Transfer Notes
- Courses taken at community colleges 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.
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

### Acceptable Substitutes for Transfer Courses
- **None**

### Plan of Study

#### Freshman Year - Fall
- Free Elective (3 hrs)
- ENC 1101: Composition I (3 hrs)
- MAC 1140: Pre-Calculus Algebra (3 hrs)
- SPC 1608: Fundamentals of Oral Communication (3 hrs)

#### Freshman Year - Spring
- ECO 2023: Principles of Microeconomics (3 hrs)
- ENC 1102: Composition II (3 hrs)
- STA 2023: Statistical Methods I (3 hrs)

- **None** (or Calculus)

#### Sophomore Year - Fall
- Free Elective (3 hrs)
- ECO Elective (3 hrs)
- ECO Elective (3 hrs)
- ECO Elective (3 hrs)

- **None**

#### Sophomore Year - Spring
- Free Elective (3 hrs)
- Free Elective (3 hrs)
- ECO 3101: Intermediate Microeconomics (3 hrs)

#### Junior Year - Fall
- ECO Elective (3 hrs)
- ECO Elective (3 hrs)
- ECO Elective (3 hrs)
- ECO 3203: Intermediate Macroeconomics (3 hrs)
- ECO 3401: Quantitative Business Tools I (3 hrs)
- Foreign Language (3 hrs)

- **None** (or prior Calculus)

#### Junior Year - Spring
- Foreign Language (3 hrs)
- Free Elective (3 hrs)
- Free Elective (3 hrs)
- ECO 3101: Intermediate Microeconomics (3 hrs)

#### Senior Year - Fall
- ECO Elective (3 hrs)
- ECO Elective / Minor (3 hrs)
- Free Elective (3 hrs)
- ECO 3101: Intermediate Microeconomics (3 hrs)
- ECO 3411: Quantitative Business Tools II (4 hrs)

- **None** (or STA 4163 or STA4321)

#### Senior Year - Spring
- ECO Elective (3 hrs)
- ECO Elective (3 hrs)
- ECO Elective (3 hrs)
- ECO Elective / Minor (3 hrs)
- Free Elective (3 hrs)

- **None** (or prior Calculus)

### Computer Competency
- Met by Research Methods course.

### Language 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.

### Courses Transferred
- 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.

### Additional Graduate Studies
- The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

### Total Semester Hours Required
- **172**

### 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

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, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

Degree Requirements
- Not eligible for a double degree with another College of Business Administration major or a BA in Economics

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication

2. Cultural & Historical Foundations (9 hrs)
3. Mathematical Foundations (6 hrs)
   Required GGS 2100C Computer Fundamentals for Business
   Required MAC 1140 Pre-Calculus Algebra

4. Social Foundations (6 hrs)
   Select 1:
   - Suggested ECO 2013 Principles of Macroeconomics
   - Suggested ECO 2023 Principles of Microeconomics

5. Restricted Electives (15 hrs)

6. Capstone Requirements (4 hrs)
   For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended

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.

8. Electives
   - Variable

9. Additional Requirements
   - Special College and/or Departmental Requirements
   - Must complete all Gordon Rule and CLAS 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.
UCF Degree Programs

- 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 residence 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College 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
- Courses taken at community colleges 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
- A maximum of 30 of the 60 upper level business courses for their degree program in the College of Business Administration programs include Financial Accounting, Managerial Accounting, 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 2071- Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study

Business Economics

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1140 Pre-Calculus Algebra 3 hrs

**Freshman Year - Spring**
- ECO 2023 Principles of Microeconomics 3 hrs
- ENC 1102 Composition II 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs

**Sophomore Year - Fall**
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs

**Sophomore Year - Spring**
- ECO 3101 Intermediate Microeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs

**Junior Year - Fall**
- 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

**Junior Year - Spring**
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs

**Senior Year - Spring**
- ECO 4451 Research Methods in Economics 3 hrs
- MAN 4720 Strategic Management 4 hrs
- BUL 3130 Legal and Ethical Environment of Business 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

Electrical Engineering (B.S.E.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science
Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu

E-mail: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Charlese Hilton-Brown
407-823-3327

Admission Requirements
- None

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 State University/ Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
Select 1: 4 hrs

Suggested SPC 1603 Fundamentals of Technical Presentations or Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs

Courses Required for the Engineering Core 12 hrs

Select two courses from Historical Foundations 6 hrs

Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)

Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

Required STA 3032 Probability and Statistics for Engineers 3 hrs

Select 1: 6 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs

Prefer ECO 2023 Principles of Microeconomics or ECO 2024 Principles of Macroeconomics 3 hrs

Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)

Required PHY 2049C Physics for Engineers & Scientists I GEP 4 hrs

Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

Required PHY 2049C Physics for Engineers & Scientists II 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 2311 Calculus with Analytic Geometry I GEP 4 hrs

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 4 hrs

1 PHY 2049C Physics for Engineers & Scientists II 4 hrs

1 MAP 2302 Differential Equations 3 hrs

Select 1: 4 hrs

2 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

or

CHM 2045C Chemistry Fundamentals I 4 hrs

Preferred A "C" (2.0) or better is required in this course.

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 12 hrs

EGN 3310 Engineering Analysis-Statics 3 hrs

EGN 3420 Engineering Analysis 3 hrs

STA 3032 Probability and Statistics for Engineers GEP 3 hrs

PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1: 3 hrs

EGN 3321 Engineering Analysis-Dynamics or EEM 3350 Semiconductor Devices I 3 hrs

EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 41 hrs

EEL 3004 Electrical Networks 3 hrs

EEL 3123C Networks and Systems 3 hrs

EEL 3350 Semiconductor Devices I 3 hrs

EEL 3307C Electronics I 4 hrs

EEL 3342C Digital Systems 3 hrs

EEL 3470 Electromagnetic Fields 3 hrs

EEL 3552C Analog and Digital Communication 4 hrs

EEL 3571 Linear Control Systems 3 hrs

EEL 3801C Computer Organization 3 hrs

EEL 4309C Electronics II 4 hrs

EEL 4750 Digital Signal Processing Fundamentals 3 hrs

EEL 4742C Embedded Systems 4 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 2311 Calculus with Analytic Geometry I GEP 4 hrs

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 4 hrs

1 PHY 2049C Physics for Engineers & Scientists II 4 hrs

1 MAP 2302 Differential Equations 3 hrs

Select 1: 4 hrs

2 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

or

CHM 2045C Chemistry Fundamentals I 4 hrs

Preferred A "C" (2.0) or better is required in this course.

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 12 hrs

EGN 3310 Engineering Analysis-Statics 3 hrs

EGN 3420 Engineering Analysis 3 hrs

STA 3032 Probability and Statistics for Engineers GEP 3 hrs

PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1: 3 hrs

EGN 3321 Engineering Analysis-Dynamics or EEM 3350 Semiconductor Devices I 3 hrs

EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

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EEL 3004 Electrical Networks 3 hrs

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EEL 3470 Electromagnetic Fields 3 hrs

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EEL 3571 Linear Control Systems 3 hrs

EEL 3801C Computer Organization 3 hrs

EEL 4309C Electronics II 4 hrs

EEL 4750 Digital Signal Processing Fundamentals 3 hrs

EEL 4742C Embedded Systems 4 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 2311 Calculus with Analytic Geometry I GEP 4 hrs

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 4 hrs

1 PHY 2049C Physics for Engineers & Scientists II 4 hrs

1 MAP 2302 Differential Equations 3 hrs

Select 1: 4 hrs

2 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

or

CHM 2045C Chemistry Fundamentals I 4 hrs

Preferred A "C" (2.0) or better is required in this course.
## Degree Programs

**UCF Degree Programs**

- 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**
- EGN 1006C: Introduction to the Engineering Profession 3 hrs
- MAC 2311: Calculus with Analytic Geometry I 4 hrs
- SPC 1603: Fundamentals of Technical Presentations 3 hrs
- GEP: Historical Foundation 3 hrs
- GEP: Science Foundation 3 hrs

**Freshman Year - Spring**
- 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
- COP 3223: Introduction to Programming with C 3 hrs

**Sophomore Year - Fall**
- 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

**Select 1:**
- ECO 2013: Principles of Macroeconomics 3 hrs
- ECO 2023: Principles of Microeconomics 3 hrs

**Sophomore Year - Spring**
- PHY 3101: Physics for Engineers and Scientists III 3 hrs
- EEL 3004: Electrical Networks 3 hrs
- MAP 2302: Differential Equations 3 hrs
- EEL 3801C: Computer Organization 3 hrs
- GEP: Cultural Foundation 3 hrs

**Sophomore Year - Summer**
- EEE 3342C: Digital Systems 3 hrs
- EEL 3123C: Networks and Systems 4 hrs
- GEP: Social Foundation 3 hrs

**Junior Year - Fall**
- EEE 3550: Semiconductor Devices I 3 hrs
- EEL 4742C: Embedded Systems 4 hrs
- EEL 3552C: Analog and Digital Communication 4 hrs

**Select 1:**
- EGN 3321: Engineering Analysis-Dynamics or 3 hrs
- EGN 3338: Thermo-Fluids-Heat Transfer 3 hrs

**Junior Year - Spring**
- EEE 3307C: Electronics I 4 hrs
- EEL 3657: Linear Control Systems 3 hrs
- CHS 1440: Fundamentals of Chemistry for Engineers 4 hrs
- EGN 3420: Engineering Analysis 3 hrs
- STA 3032: Probability and Statistics for Engineers 3 hrs

**Senior Year - Fall**
- 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**
- 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.o eas.ucf.edu/acacademic_learning_compacts.htm](http://www.o eas.ucf.edu/acacademic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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**Elementary Education (B.S.)**

**College of Education**

**School of Teaching, Learning, and Leadership, ED, Room: 209**


Dr. Karri Williams, kjwilliams@mail.ucf.edu

Dr. Robert Everett, ED 122M, everett@mail.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 community college or state university.
- 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.

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101: Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102: Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1608: Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer AMH 2010: U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer AMH 2020: U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer ARH 2050: History of Western Art I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer ARH 2051: History of Western Art II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer MUL 2010: Enjoyment of Music</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested MAC 1105C: College Algebra or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1108: Finite Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1107: Explorations in Mathematics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer STA 1060C: Basic Statistics Using Microsoft Excel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer STA 2014C: Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### D: Social Foundations

<table>
<thead>
<tr>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer POS 2041: American National Government</td>
</tr>
<tr>
<td>Prefer PSY 2012: General Psychology</td>
</tr>
</tbody>
</table>

### E: Science Foundations

<table>
<thead>
<tr>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer PSC 1121: Physical Science</td>
</tr>
<tr>
<td>Prefer BSC 1005: Biological Principles</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP)

#### (9 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2085: Introduction to the Teaching Profession 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.

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**Equipment Fees**

- Full-Time Student: $90 per term
3. Core Requirements: Basic Level (15 hrs)

<table>
<thead>
<tr>
<th>Other Program Requirements</th>
<th>8 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators 3 hrs</td>
</tr>
<tr>
<td>MAE 2801</td>
<td>Elementary School Mathematics 4 hrs</td>
</tr>
<tr>
<td>PET 2081</td>
<td>Wellness, Children and Schools 1 hr</td>
</tr>
</tbody>
</table>

Courses taken at community colleges 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

4. Core Requirements: Advanced Level (5 hrs)

<table>
<thead>
<tr>
<th>Semester I</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4410</td>
<td>Teaching Strategies and Classroom Management 3 hrs</td>
</tr>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment 3 hrs</td>
</tr>
<tr>
<td>LAE 3414</td>
<td>Literature for Children 3 hrs</td>
</tr>
<tr>
<td>RED 3012</td>
<td>Basic Foundations of Reading 3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL 3 hrs</td>
</tr>
<tr>
<td>Students in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 residence at UCF

A minimum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the claus and nine hours of Summer credit (if applicable)

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

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.
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
- 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
- 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 community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Freshman Year - Summer
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Fall
- 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

Sophomore Year - Spring
- 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 community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Fall
- 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
- 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
- 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
- MAE 4326 How Children Learn Mathematics 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading Internship I 3 hrs
- EDE 3942 Integrated Arts and Movement in the Elementary School 3 hrs

Senior Year - Spring
- 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.oecs.ucf.edu/alc/academic_learning_compacts.htm

English - Creative Writing (B.A.)

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. Patrick Murphy
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

- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- Suggested MGF 1106 Finite Mathematics 3 hrs

1 May substitute a higher level math.

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
- 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

Select 2: 3 hrs

- AML 2010 U.S. History: 1492-1877 3 hrs
- AML 2020 U.S. History: 1877-Present 3 hrs
- AML 3031 American Literature I or 3 hrs
- AML 3310 American National Government 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

Select 3: 3 hrs

- AML 2010 U.S. History: 1492-1877 3 hrs
- AML 2020 U.S. History: 1877-Present 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

Select 4: 3 hrs

- AML 2010 U.S. History: 1492-1877 3 hrs
- AML 2020 U.S. History: 1877-Present 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

Select 5: 3 hrs

- AML 2010 U.S. History: 1492-1877 3 hrs
- AML 2020 U.S. History: 1877-Present 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
### Plan of Study

#### Sophomore Year - Fall

- 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 1060C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

### Course Requirements

#### 1. 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, the CLAS and nine hours of Summer credit (if applicable).

#### 2. Total Semester Hours Required

- 120

#### 3. Honors In Major

- 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 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

#### 4. Related Programs

- English - Technical Communication
- English - Literature

#### 5. Certificates

- None

#### 6. Related Minors

- Linguistics
- English - Technical Communication
- Writing and Rhetoric

#### 7. Advising Notes

- None

#### 8. Transfer Notes

- Courses taken at community colleges 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.

#### 9. Acceptable Substitutes for Transfer Courses

- None

#### 10. 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.

### Course Descriptions

#### 1. University Minimum Exit Requirements

- Computer Competency met by completion of CRW 3013
- 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, the CLAS and nine hours of Summer credit (if applicable)

#### 2. Total Semester Hours Required

- 120

#### 3. Honors In Major

- 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 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

#### 4. Related Programs

- English - Technical Communication
- English - Literature

#### 5. Certificates

- None

#### 6. Related Minors

- Linguistics
- English - Technical Communication
- Writing and Rhetoric

#### 7. Advising Notes

- None

#### 8. Transfer Notes

- Courses taken at community colleges 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.

#### 9. Acceptable Substitutes for Transfer Courses

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#### 10. 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.

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- 48 semester hours of upper division credit completed
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- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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#### 4. Related Programs

- English - Technical Communication
- English - Literature

#### 5. Certificates

- None

#### 6. Related Minors

- Linguistics
- English - Technical Communication
- Writing and Rhetoric

#### 7. Advising Notes

- None

#### 8. Transfer Notes

- Courses taken at community colleges 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.

#### 9. Acceptable Substitutes for Transfer Courses

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#### 10. Plan of Study

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- 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, the CLAS and nine hours of Summer credit (if applicable)

#### 2. Total Semester Hours Required

- 120

#### 3. Honors In Major

- 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 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

#### 4. Related Programs

- English - Technical Communication
- English - Literature

#### 5. Certificates

- None

#### 6. Related Minors

- Linguistics
- English - Technical Communication
- Writing and Rhetoric

#### 7. Advising Notes

- None

#### 8. Transfer Notes

- Courses taken at community colleges 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.

#### 9. Acceptable Substitutes for Transfer Courses

- None

#### 10. 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.

### Course Descriptions

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- Computer Competency met by completion of CRW 3013
- 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, the CLAS and nine hours of Summer credit (if applicable)

#### 2. Total Semester Hours Required

- 120

#### 3. Honors In Major

- 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 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

#### 4. Related Programs

- English - Technical Communication
- English - Literature

#### 5. Certificates

- None

#### 6. Related Minors

- Linguistics
- English - Technical Communication
- Writing and Rhetoric

#### 7. Advising Notes

- None

#### 8. Transfer Notes

- Courses taken at community colleges 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.

#### 9. Acceptable Substitutes for Transfer Courses

- None

#### 10. 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.
UCF Degree Programs

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

Junior Year - Fall 15 hrs
ENG 3014 Theories and Techniques of Literature 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 3210 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 4222 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.oews.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.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. Patrick Murphy
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 on class from 1.B.1 list 3 hrs

C: Mathematical Foundations
1 Required MGF 1106 Finite Mathematics 3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 May substitute a higher level math.

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 ENC 3014 Theories and Techniques of Literature Study 3 hrs

Choose one gateway course 3 hrs
CRW 3013 Creative Writing for English Majors or
ENC 3241 Writing for the Technical Professional or
CRW 3053 Theory & Practice of Creative Writing

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
AML 3613 Narratives of Slavery or
AML 4304 Whitman and His Heirs or
ENL 2012 English Literature I or
ENL 4220 English Renaissance Poetry and Prose or
ENL 4230 18th Century Studies or
ENL 4240 English Romantic Writers or
LIT 4374 Literature of the Bible or
AML 3286 Early American Women's Words or
AML 3640 Native American Literature or
ENL 3296 Gothic Literature

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 3031 American Literature II or
AML 3613 Contemporary American Women's Fiction or
AML 3614 Topics in African-American Literature or
AML 3615 Harlem, Haiti, and Havana or
AML 3643 Contemporary Native American Prose and Poetry or
AML 4101 American Novel or
AML 4153 American Poetry at Mid-Century or
AML 4155 Modern American Poetry or
AML 4261 Literature of the South or
AML 4265 Florida Writers or
AML 4321 Modern American Literature or
AML 4630 Latino/Latina Literature or
ENL 2022 English Literature II or
ENL 2010 English Novel or
ENL 4253 The Victorian Age: Poetry or
ENL 4262 Nineteenth Century British Prose or
ENL 4273 Modern British Literature or
LIT 3082 Continental European Fiction Since 1900 or
LIT 3192 Caribbean Literature or
LIT 4043 Modern Drama As Literature or
LIT 4184 Irish Literature or
LIT 4303 Post-World War II Fiction or
LIT 3823 Hispanic Women Writers

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
ENL 3311 Chaucer or
ENL 4341 Milton and His Age or

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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, or LIT 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
■ Selected 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, the CLAS and nine hours of Summer credit (if applicable)

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 5000 level English elective (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
■ Courses taken at community colleges 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
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
CHM 1020  Concepts in Chemistry 3 hrs
ENC 1102  Composition II 3 hrs
LIT 2110  World Literature I 3 hrs
STA 1060C  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
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 2200  Intermediate Spanish Language and Civilization I 3 hrs

1 Any language course at this level is acceptable.

Sophomore Year - Spring
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
CRW 3013  Creative Writing for English Majors 3 hrs
ENL 2022  English Language II 3 hrs
LIN 4105  History of the English Language 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring
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
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
LIT 3383  Women in Literature 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.oeas.ucf.edu/alc/academic_learning_compacts.htm
UCF Degree Programs

English - Technical Communication (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@cah.ucf.edu
Dr. Patrick Murphy
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 (8 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 MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs

E: Science Foundations (6 hrs)
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 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 American Prose and Poetry or 3 hrs
- LIT 3823 Hispanic Women Writers or 3 hrs

5. Restricted Electives (3 hrs)

Select 1:
- ENC 3311 Advanced Expository Writing or 3 hrs
- ENC 4261 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

Optional course:
- ENC 4941 Internship or 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 or 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 General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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 5000 level English elective (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

- Courses taken at community colleges 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.o eas.ucf.edu/alc/academic_learning_compacts.htm

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
- 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:

- Prefer STA 1060C Basic Statistics Using Microsoft Excel or
- 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

Select 1:

- Prefer ANT 2511 The Human Species or
- 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
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

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)

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- LIT 2110 World Literature I GEP 3 hrs
- LIT 2120 World Literature II 3 hrs
- ENL 2012 English Literature I 3 hrs
- ENL 2022 English Literature II 3 hrs

Courses taken at community colleges 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

- 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
- TSL 4240 Issues in Second Language Acquisition 3 hrs

1 Prerequisite for Internship I.

Undergraduate Catalog 2011-2012
UCF Degree Programs

Specialization Requirements 21 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
ENG 3014 Theories and Techniques of Literature 3 hrs
AML 3031 American Literature I 3 hrs
AML 3041 American Literature II 3 hrs
LAE 4464 Survey of Adolescent Literature 3 hrs

Select 1: 3 hrs
ENC 3311 Advanced Expository Writing or 3 hrs
LIN 4105 History of the English Language 3 hrs
Upper Division Elective with EDF, EDG, LAE, or RED prefix 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 specialization 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.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.

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 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, the CLAS and nine hours of Summer credit (if applicable)

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 2044C Principles of Statistics or 3 hrs
STA 1060C 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
**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, carol.pohl@ucf.edu
Dr. Andrew Randall, andrew.randall@ucf.edu
407-823-2841

**Admission Requirements**

- None

**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 State University/ Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

**A: Communication Foundations** (9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1603</td>
<td>Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**B: Cultural & Historical Foundations** (9 hrs)

- Select two courses from Historical Foundations
- Select one course from Cultural Foundations

**C: Mathematical Foundations** (7 hrs)

- Required
  - MAC 2311 Calculus with Analytic Geometry I
  - MAC 2312 Calculus with Analytic Geometry II
- Required
  - STA 3032 Probability and Statistics for Engineers

**D: Social Foundations** (6 hrs)

- Select one course from Social Foundations Group 1
- Select one course from Social Foundations Group 2

**E: Science Foundations** (7 hrs)

- Required
  - PHY 2048C Physics for Engineers & Scientists I
- Preferred
  - GEO 1200 Physical Geography

**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.

**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 1005C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

**4. Core Requirements: Advanced Level** (53 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3322</td>
<td>Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3331</td>
<td>Mechanics of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Introduction to Environmental Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4003</td>
<td>Introduction to the Construction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>1 hr</td>
</tr>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEG 4011C</td>
<td>Geotechnical Engineering I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EES 4111C</td>
<td>Biological Process Control</td>
<td>3 hrs</td>
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<tr>
<td>EES 4202C</td>
<td>Chemical Process Control</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENV 4531</td>
<td>Environmental Engineering Operations &amp; Processes I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CWR 4632C</td>
<td>Water Resources Engineering I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CWR 4633C</td>
<td>Water Resources Engineering II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4120</td>
<td>Air Pollution Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4531</td>
<td>Environmental Engineering Operations &amp; Processes I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4341</td>
<td>Solid &amp; Hazardous Waste Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Notes:**

- A “C” (2.0) or better is required in this course.
- Also satisfy UCF GEP sub-requirements
UCF Degree Programs

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
     - Must be completed before registering for CGN 4808C - Capstone
       Design

   1 ENV 4531  Environmental Engineering Operations &
     Treatment Design
     1 ENV 4562C  Environmental Engineering Water
     1 ENV 4563C  Environmental Engineering Water
     1 ENV 4563C  Environmental Engineering Water

8. Electives
   - None

9. Additional Requirements
   - EnV 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 resi-
      dency 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, the
      CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
126

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 acade-
  mic 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 prog-
  ress 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 Community Colleges 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 our 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 engineer-
  ing students should consult with their departmental academic advisor to
  develop and maintain an appropriate plan of study.

Freshman Year - Fall
- MAC 2311  Calculus with Analytic Geometry I 4 hrs
- ENC 1101 Composition I 3 hrs
- PHY 2048C  Physics for Engineers & Scientists I 4 hrs
- EGN 1006C  Introduction to the Engineering Profession 1 hr
- GEP 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C  Physics for Engineers and Scientists II 4 hrs
- EGN 1007C  Engineering Concepts and Methods 1 hr
- 1 GEO 1200  Physical Geography 3 hrs

Sophomore Year - Fall
- EGN 3310  Engineering Analysis-Statistics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2046C  Physics for Engineers & Scientists I 4 hrs
- EGN 3310  Engineering Analysis-Statistics 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- MAC 2331  Mechanics of Materials 3 hrs
- EGN 3321  Engineering Analysis-Dynamics 3 hrs
- CHM 2046  Chemistry Fundamentals II 3 hrs
- EGN 3321  Engineering Analysis-Dynamics 3 hrs
- GEP 3 hrs

Sophomore Year - Summer
- EGN 3343  Thermodynamics 3 hrs
- ENV 3005  Introduction to Environmental Engineering 3 hrs
- GEP 3 hrs

Junior Year - Fall
- EGN 3331  Mechanics of Materials 3 hrs
- STA 3032  Probability and Statistics for Engineers 3 hrs
- CCE 4011  Introduction to the Construction Industry 3 hrs
- ENV 4341  Solid & Hazardous Waste Management 3 hrs

Junior Year - Spring
- EGN 3345  Solid & Hazardous Waste Management 3 hrs
- CEG 4011C  Geotechnical Engineering I 4 hrs
- ENV 4531  Environmental Engineering Operations &
  Processes I 3 hrs
- GEP 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>16 hrs</th>
</tr>
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<tbody>
<tr>
<td>ENV 4120</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4561</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EES 4202C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CWR 4633C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Design Specialization**
- Environ
- Env 4433C
- Env 4122C
- Env 4300C
- Env 4662C

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>12 hrs</th>
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</thead>
<tbody>
<tr>
<td>EES 4111C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GE P</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGN 4808C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oelc.ucf.edu/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 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](http://www.hospitality.ucf.edu)

**E-mail:** hospitality@mail.ucf.edu

Dr. Deborah Breiter, Department Chair

Dr. Abraham Pizam, Dean

**Admission Requirements**
- None

**Degree Requirements**
- None

**1. UCF General Education Program (GEP)**
- Communication Foundations
- Cultural & Historical Foundations
- Mathematical Foundations

**Select 1:**
- ECO 2013 Principles of Macroeconomics or GEP
- ECO 2023 Principles of Microeconomics GEP

**4. Core Requirements: Advanced Level**

<table>
<thead>
<tr>
<th>Hospitality Management Core</th>
<th>24 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2401</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2500</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2220</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2254</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3540</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4246</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Internships</th>
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</thead>
<tbody>
<tr>
<td>HFT 3940</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4941</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4944</td>
<td>3 hrs</td>
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**5. Restricted Electives**

<table>
<thead>
<tr>
<th>Complete any six restricted Event Management Electives</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3741 Meeting Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4754 Exhibit and Trade Show Operations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795 Entertainment Arts and Events or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3798 Fairs and Festivals or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4561 Destination Marketing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4736 Destination Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4796 International Events or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4375 Advanced Trade Show Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3868 History and Culture of Wine or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3357 Golf &amp; Club Event Operations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120
UCF Degree Programs

<table>
<thead>
<tr>
<th>Honors In Major</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Related Programs</td>
<td>None</td>
</tr>
<tr>
<td>Certificates</td>
<td>None</td>
</tr>
<tr>
<td>Related Minors</td>
<td>None</td>
</tr>
</tbody>
</table>

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 Public Community College 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 200I 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
- 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 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 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 Practicum 1 hr

Event Management Restricted Elective ***See list in catalog for 3hrs

University Free Electives 5 hours

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](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

Exceptional Student Education (B.S.)

College of Education
Department of Child, Family and Community Sciences,
Education Building, Room: 209

Linda Alexander, Program Contact, lalexand@mail.ucf.edu, 407-823-2598

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements
- Students should seek advising through the Exceptional Education faculty 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.
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   - Required EDF 2005 Introduction to the Teaching Profession 3 hrs
   - Required EDF 2085 Introduction to Diversity for Educators 3 hrs
   - Required EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level (15 hrs)
   - Required EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - Required EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
   - Required EEX 4601 Introduction to Special Education 3 hrs
   - Required EEX 2758 Enhancing Family Involvement in Education 3 hrs
   - Required MAE 2801 Elementary School Mathematics 4 hrs

4. Core Requirements: Advanced Level (60 hrs)
   - Required EDF 4410 Teaching Strategies and Classroom Management 3 hrs
   - Required EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
   - Required EEX 4606 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs
   - Required EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
   - Required LAE 3414 Language Arts in the Elementary School 3 hrs
   - Required RED 4519 Diagnostic and Corrective Reading 3 hrs

Semester I
- Required ENC 1102 Composition II 3 hrs
- Required ENC 1101 Composition I 3 hrs
- Required EDF 2005 Introduction to the Teaching Profession 3 hrs
- Required EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- Required EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- Required EEX 4606 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs
- Required LAE 3414 Language Arts in the Elementary School 3 hrs
- Required RED 4519 Diagnostic and Corrective Reading 3 hrs

Semester II
- Required ENC 1102 Composition II 3 hrs
- Required ENC 1101 Composition I 3 hrs
- Required EDF 2005 Introduction to the Teaching Profession 3 hrs
- Required EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- Required EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- Required EEX 4606 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs
- Required LAE 3414 Language Arts in the Elementary School 3 hrs
- Required RED 4519 Diagnostic and Corrective Reading 3 hrs

Semester III (Summer)
- Required ENC 1102 Composition II 3 hrs
- Required ENC 1101 Composition I 3 hrs
- Required EDF 2005 Introduction to the Teaching Profession 3 hrs
- Required EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- Required EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- Required EEX 4606 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Semester IV
- Required ENC 1102 Composition II 3 hrs
- Required ENC 1101 Composition I 3 hrs
- Required EDF 2005 Introduction to the Teaching Profession 3 hrs
- Required EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- Required EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- Required EEX 4606 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs
- Required LAE 3414 Language Arts in the Elementary School 3 hrs
- Required RED 4519 Diagnostic and Corrective Reading 3 hrs

Suggested MGF 1106 Finite Mathematics 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs
Suggested STA 2014C Principles of Statistics 3 hrs
Suggested STA 1060C Principles of Statistics 3 hrs

Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.
Secondary Level: Methods Content Area Course I

- SCE 4360 Science Instructional Analysis or 4 hrs
- MAE 4360 Mathematics Instructional Analysis or 4 hrs
- SSE 4361 Social Science Instructional Analysis or 4 hrs
- LAE 4360 English Instructional Analysis or 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Semester V 12 hrs

- 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-5.065.
- 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 registration at UCF.
- Choose one course from either the Elementary or Secondary level.

Methods Content Area Course II sections.

- EEX 4941 Internship 9 hrs

Elementary Level: Methods Content Area Course II

- SCE 3310 Teaching Science in Elementary School or 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School or 3 hrs
- LAE 3414 Literature for Children 3 hrs

Secondary Level: Methods Content Area Course II

- SCE 4360 Science Instructional Analysis or 4 hrs
- MAE 4360 Mathematics Instructional Analysis or 4 hrs
- SSE 4361 Social Science Instructional Analysis or 4 hrs
- LAE 4360 English Instructional Analysis or 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

5. Restricted Electives

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

- 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 LiveText 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 residence 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, the CLAS and nine hours of Summer credit (if applicable)

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

- 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
- EDF 2130 Child and Adolescent Development for Educators 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

- PDS 2041 American National Government 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Sophomore Year - Fall 12 hrs

- SPC 1608 Fundamentals of Oral Communication 3 hrs
- AMH 2010 U.S. History: 1492-1877 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 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring 12 hrs

- AMH 2020 U.S. History: 1877-Present 3 hrs
- EEX 2758 Enhancing Family Involvement in Education 2 hrs
- EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

Sophomore Year - Summer 3 hrs

- A passing score on the FTCE General Knowledge Test (GKT) portion of the Florida Teacher Certification Examination is required prior to admission to the Exceptional Education Program.

EEX 1010 Introduction to Special Education 3 hrs

Junior Year - Fall 12 hrs

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs

Junior Year - Spring 15 hrs

- It is strongly recommended to take the Professional Education Test (PEd) portion of the FTCE during Semester II.
**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

**Film (B.F.A.)**

**College of Arts and Humanities**

**Department of Film, Nicholson School of Communication, Room: 421**

http://www.film.cah.ucf.edu

E-mail: film@mail.ucf.edu

Steve Schlov, 407-623-2845
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 filmm 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 (General Education Program) and (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)
   - C: Mathematical Foundations (6 hrs)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)
   - 2. Common Program Prerequisites (CPP) (3 hrs)
   - 1. UCF General Education Program (GEP)
   - 1. Prefer MGF 1106 Finite Mathematics 3 hrs

2. **Select 1:**
   - 1. Prefer MGF 1106 Finite Mathematics 3 hrs
   - Prefer CMA 1000C Financial Accounting I 3 hrs
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

3. **Core Requirements: Basic Level** (21 hrs)
   - Lower level core requirements
   - 1. UCF General Education Program (GEP)
   - 1. Prefer MGF 1106 Finite Mathematics 3 hrs
   - Prefer CMA 1000C Financial Accounting I 3 hrs
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

4. **Select 1:**
   - Prefer CGS 1060C Introduction to Computer Science or
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

5. **Core Requirements: Advanced Level** (36 hrs)
   - Upper level core requirements
   - 1. Prefer MGF 1106 Finite Mathematics 3 hrs
   - 1. Prefer CMA 1000C Financial Accounting I 3 hrs
   - 1. Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

6. **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 4536C Sound Design III 3 hrs
- FIL 4451C Design for Film 3 hrs
- FIL 4487C Directing for Film III 3 hrs
- FIL 4666C 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 4119C Interactive Writing I 3 hrs
- FIL 4114C Interactive Writing II 3 hrs
- FIL 4126C Genre Writing 3 hrs
- FIL 4906 Directed Independent Study 1 hr
### Cinema Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FIL 3880C</td>
<td>Images of Women in Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3831</td>
<td>Black Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3051</td>
<td>Avant-Garde Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3804C</td>
<td>Film Theory and Criticism II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3841</td>
<td>French New Wave Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3824</td>
<td>Italian Neo-Realist Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3847</td>
<td>Latin American Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3820</td>
<td>Italian Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3822</td>
<td>French Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3823</td>
<td>German Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3826</td>
<td>American Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3871</td>
<td>The American Film Artist</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 4436</td>
<td>Film Theory/Film Production</td>
<td>3 hrs</td>
</tr>
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</table>

### Digital Cinema

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ART 2823</td>
<td>Art as Interface</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3618</td>
<td>Post-Production Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3902C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4855C</td>
<td>Converging Media Capstone</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3138C</td>
<td>Digital Imagery</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4780C</td>
<td>Modeling for Realtime Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4415</td>
<td>Digital Rhetorics and The Modern Dialectic</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3134</td>
<td>Media Software Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUC 3311</td>
<td>MIDI Sequencing I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Required Minors

- Art - Studio
- Film - Cinema Studies
- English - Creative Writing
- Digital Media
- Music
- Theatre

### Advising Notes

- None

### Transfer Notes

- Courses taken at community colleges 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 1007</td>
<td>Foundations of Story</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 1008</td>
<td>Cinematic Expression/Aesthetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 1009</td>
<td>Cinematic Expression for Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3922</td>
<td>Film Colloquium</td>
<td>1 hr</td>
</tr>
<tr>
<td>GEP 3 hrs</td>
<td>Foreign Language</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 2030</td>
<td>History of Motion Pictures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 2107</td>
<td>Script Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3922</td>
<td>Film Colloquium</td>
<td>1 hr</td>
</tr>
<tr>
<td>GEP 3 hrs</td>
<td>Foreign Language</td>
<td>4 hrs</td>
</tr>
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</table>

#### Sophomore Year - Summer

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FIL 3115</td>
<td>Short Script I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3427C</td>
<td>Introduction to Film Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3803C</td>
<td>Film Theory and Criticism I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3922</td>
<td>Film Colloquium</td>
<td>1 hr</td>
</tr>
<tr>
<td>GEP 3 hrs</td>
<td>Foreign Language</td>
<td>3 hrs</td>
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#### Sophomore Year - Fall

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<th>Course Title</th>
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<tbody>
<tr>
<td>FIL 2480</td>
<td>Directing for Film I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 2481</td>
<td>Directing the Actor for Film I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 2552</td>
<td>Editing I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3922</td>
<td>Film Colloquium</td>
<td>1 hr</td>
</tr>
<tr>
<td>GEP 3 hrs</td>
<td>Foreign Language</td>
<td>3 hrs</td>
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#### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 2461</td>
<td>Cinematography I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3036</td>
<td>Film History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3534</td>
<td>Sound Design for Film I</td>
<td>3 hrs</td>
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<tr>
<td>FIL 3922</td>
<td>Film Colloquium</td>
<td>1 hr</td>
</tr>
<tr>
<td>FIL 4486C</td>
<td>Directing for Film II</td>
<td>3 hrs</td>
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#### Junior Year - Spring

<table>
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<tbody>
<tr>
<td>FIL 3037</td>
<td>Film History II</td>
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<tr>
<td>FIL 3132</td>
<td>Short Script II</td>
<td>3 hrs</td>
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<tr>
<td>FIL 3922</td>
<td>Film Colloquium</td>
<td>1 hr</td>
</tr>
<tr>
<td>FIL 4847</td>
<td>Film Production Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 4661</td>
<td>The Film Producer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL XXXX</td>
<td>Elective</td>
<td>3 hrs</td>
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#### Senior Year - Fall

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<th>Course Title</th>
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<tbody>
<tr>
<td>FIL 4434C</td>
<td>Capstone I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL XXXX</td>
<td>Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL XXXX</td>
<td>Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
3. Core Requirements: Basic Level (12 hrs)

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/aic/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
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu
Steve Schlow, 407-823-2845
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 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)

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)
- MGF 1106 Finite Mathematics 3 hrs
- Suggested

Select 1:
- Prefer CGS 1060C Introduction to Computer Science or STA 1060C Basic Statistics Using Microsoft Excel 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.
- Prefer FIL 2030 History of Motion Pictures 3 hrs

2. (may substitute 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:
- FIL 3102 Writing for Film and TV or 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 4855C 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 three courses from the following 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.
- A 2.0 UCF GPA
- Computer competency met by one of the following:
  - CGS 1060C Introduction to Computer Science 3 hrs
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
  - FIL 1008 Cinematic Expression/Aesthetics 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None
### UCF Degree Programs

#### Related Programs
- Music
- Theatre
- Radio - Television
- English - Creative Writing
- Film

#### Certificates
- None

#### Related Minors
- Music
- Theatre
- Art - Studio
- English - Creative Writing

#### Advising Notes
- None

#### Transfer Notes
- Courses taken at community colleges 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 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

**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 4681 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.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.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.


Not eligible for a double degree with another College or Business Administration major.

#### Admission Requirements
- Completion of the UCF General Education Program, Golden Rule, and CLAS or an AA degree from a Florida public community college
- 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 minimum 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 must earn at least a 2.0 GPA in the major and CBA.
- 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
   - **B: Cultural & Historical Foundations**
     - (9 hrs)
   - **C: Mathematical Foundations**
     - (6 hrs)
     - Required MAC 1140 Pre-Calculus Algebra 3 hrs
     - Required CGS 2100C Computer Fundamentals for Business 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 General Anthropology or Introduction to Sociology 3 hrs

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
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.

AGC 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
AGC 2021 Principles of Financial Accounting 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
STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (32 hrs)

First or subsequent semester in the College of Business Administration:
- Required in 1st or 2nd semester.
1. GEB 3031 Cornerstone: Professional Skills for Business
2. GEB 3375 Introduction to International Business 4 hrs
3. BUL 3130 Legal and Ethical Environment of Business 3 hrs
4. ECO 3411 Quantitative Business Tools II 4 hrs
5. FIN 3403C Business Finance 3 hrs
6. MAN 3025 Management of Organizations 4 hrs
7. MAR 3023 Marketing 4 hrs
8. GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
9. MAR 3203 Supply Chain Management 4 hrs

4. Core Requirements: Advanced Level (18 hrs)

Select 2:
- FIN 4324 Commercial Bank Management or 3 hrs
- FIN 4424 Advanced Topics in Financial Management 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

5. Restricted Electives (6 hrs)

Select 2:
- ACG 3131 Intermediate Financial Accounting I or 3 hrs
- ACG 3141 Intermediate Financial Accounting II or 3 hrs
- 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 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
- FIN 4906 Directed Independent Study or 1 hr
- FIN 4941 Finance Internship or 3 hrs
- FIN 4903H Honors Directed Reading I or 1 hr
- FIN 4970H Undergraduate Honors Thesis or 1 hr
- 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 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
- TAX 4001 Taxation of Business Entities and Transactions or 3 hrs
- REE 4203 Commercial Real Estate Finance or 3 hrs
- REE 4933 Advanced Topics in Real Estate or 3 hrs
- GEB 4374 International Negotiations and Transactions 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
  - MAR 3203 Marketing
  - MAN 3025 Management of Organizations
  - FIN 3403C Business Finance

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

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, the CLAS and nine hours of Summer credit (if applicable)

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 Public Community College 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
- Courses taken at community colleges 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 of 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.

1 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aac/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Foreign Language Education - French (B.S.)
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language
Dr. Karen Vorkler, ED 220L, kvorkler@mail.ucf.edu
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
407-823-5235

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- 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 2005 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: STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs
- Select 1: MGF 1106 Finite Mathematics 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: ANT 2511 The Human Species 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 (6 hrs)
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- FRE 2201 Intermediate French Language and Civilization II 3 hrs
4. Core Requirements: Advanced Level (69 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
   1 TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
   2 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 Community College 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 33 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 3300 French Grammar 3 hrs
   FRE 3420 French Composition 3 hrs
   FRE 3760 Advanced French Oral Communication 3 hrs
   FRW 3100 Survey of French Literature I 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.

   Other Cognate Requirements (Linguistics) 3 hrs
   FRE 3780 French Phonetics and Diction 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/clinicalexp.
   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 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, the CLAS and nine hours of Summer credit (if applicable)

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
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Freshman Year - Spring
- 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
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SPE 1608 Fundamentals of Oral Communication 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- FLE 4941 Internship 12 hrs
UCF Degree Programs

Select 1: 3 hrs
- STA 2014C Principles of Statistics or STA 1060C Basic Statistics Using Microsoft Excel

Sophomore Year - Spring 12 hrs
- EDF 2085 Introduction to Diversity for Educators
- EME 2040 Introduction to Technology for Educators
- FRE 2201 Intermediate French Language and Civilization II

Select 1: 3 hrs
- ANT 2511 The Human Species or BSC 1005 Biological Principles

Sophomore Year - Summer 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL

Junior Year - Fall 15 hrs
- EDF 4467 Learning Theory and Assessment
- EDG 4410 Teaching Strategies and Classroom Management
- FRE 3300 French Grammar
- FRE 3420 French Composition
- FRW 3100 Survey of French Literature I

Junior Year - Spring 15 hrs
- FRW 3101 Survey of French Literature II
- FRE 3760 Advanced French Oral Communication
- FRE 3780 French Phonetics and Diction
- FRE 4422 Advanced French Composition
- RED 4043 Content Reading in Kindergarten through Grade 12

Junior Year - Summer 9 hrs
- FLE 4314 Foreign Language Teaching in Elementary Schools
- FLE 4333 Foreign Language Teaching in the Secondary School
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools

This course may be taken in the Fall of the senior year with consent of instructor.

Senior Year - Fall 12 hrs
- FLE 3940 Internship
- FRE 4421 Advanced French Conversation
- Two upper division restricted electives (FRE/FRW 3/4XXX) 6 hrs

Senior Year - Spring 12 hrs
- FLE 4941 Internship

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/aic/academic_learning_comacts.htm

Foreign Language Education - Spanish (B.S.)

College of Education

Select 1: 3 hrs
- 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
- Required ENC 1102 Composition II
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877
- Prefer AMH 2020 U.S. History: 1877-Present
- Prefer PHI 2010 Introduction to Philosophy

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government
- Prefer PSY 2012 General Psychology

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science

Select 1: 3 hrs
- Prefer ANT 2511 The Human Species or
- Prefer BSC 1005 Biological Principles

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
- EDF 2085 Introduction to Diversity for Educators
- EME 2040 Introduction to Technology for Educators

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)
- EDF 2130 Child and Adolescent Development for Educators
- SPN 2201 Intermediate Spanish Language and Civilization II

4. Core Requirements: Advanced Level (69 hrs)
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools

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: EDF 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

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
TSL 4090 Theory and Practice of Teaching ESOL 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 Community College transfer students may substitute EEX 2010

Introduction to Special Education.

Internship I 3 hrs

1 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.

2 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 27 hrs

1 FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
2 FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
SPN 3420 Spanish Composition 3 hrs
SPN 3760 Advanced Spanish Oral Communication 3 hrs
2 SPW 3100 Survey of Spanish Literature I 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

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

1 Community college transfer students may substitute lower division restricted electives.

2 Select two upper division Spanish courses (SPN 3430X) 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
SPN 4520 Latin American Civilization and Culture 3 hrs

Other Cognate Requirements 3 hrs

Select 1: 3 hrs

SPN 3852 Bilingualismo or 3 hrs
SPN 4800 Spanish-American Syntax or 3 hrs
SPN 4801 Spanish Morphosyntax 3 hrs

Internship II Block 12 hrs

1 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.

2 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.clinicalexperiences.education.ucf.edu.

3 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 3 hrs

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

1 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, the CLAS and nine hours of Summer credit (if applicable)

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 Introduction to Philosophy 3 hrs

Freshman Year - Summer 3 hrs

PHI 2010 Physical Science 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
SPE 1608 Fundamentals of Oral Communication 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Undergraduate Catalog 2011-2012

199
UCF Degree Programs

Select 1:
- STA 2014C Principles of Statistics or STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Spring
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- SPN 3234 Advanced Directed Readings 3 hrs

Select 1:
- BSC 1005 Biological Principles or ANT 2511 The Human Species 3 hrs

Sophomore Year - Summer
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Fall
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- SPN 3344 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs

Junior Year - Spring
- EDF 4467 Learning Theory and Assessment 3 hrs
- SPN 3345 Advanced Spanish Native Fluency II 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Select 1:
- SPW 3100 Survey of Spanish Literature I or SPW 3130 Survey of Latin-American Literature I 3 hrs

Junior Year - Summer
- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- 1 EDF 4603 Application and Analysis of Ethical, Legal, and Safety Issues in Schools 3 hrs

1 This course may be taken in the Fall of the senior year with consent of Instructor.

Senior Year - Fall
- FLE 3940 Internship 3 hrs

Select 1:
- SPN 4410 Advanced Spanish Conversation or SPN 4421 Advanced Spanish Composition or SPN 4510 Spanish Civilization and Culture or SPN 4520 Latin American Civilization and Culture 3 hrs

Select 1:
- SPN 3852 Bilinguismo or SPN 4800 Spanish-American Syntax or SPN 4801 Spanish Morphosyntax 3 hrs

Select 1:
- SPW 3130 Survey of Latin-American Literature I or SPW 3131 Survey of Latin-American Literature II 3 hrs

Senior Year - Spring
- FLE 4941 Internship 12 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

Forensic Science - Analysis Track (B.S.)
College of Sciences
Department of Chemistry, Chemistry, Room: 306A
http://chemistry.cos.ucf.edu/
E-mail: chemistry@ucf.edu
Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522
407-823-2246

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 selected to complete categories 4 and 5 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 1603 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 2311 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
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311 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

NOTE: These courses are considered to be equivalents:
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score:
  - CHM 2045C Chemistry Fundamentals I 4 hrs
- Students with little chemistry background should take this two semester equivalent instead:
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs

3. Core Requirements: Basic Level (18 hrs)
Core Science and Math Requirements
- BSC 2010C Biology I GEP/CPP
- 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
MAC 2311 Calculus with Analytic Geometry I GEP/CPP
MAC 2312 Calculus with Analytic Geometry II CPP
PCB 3063 Genetics 3 hrs
PCB 3233 Immunology 3 hrs
PHY 2048C Physics for Engineers & Scientists I GEP/CPP
PHY 2049C Physics for Engineers and Scientists II CPP
STA 2023 Statistical Methods I GEP

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 4537 Forensic Laboratory Quality Assurance 2 hrs
   CHS 3595 Forensic Science in the Courtroom 3 hrs
   CHS 3533 Forensic Biochemistry I 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 12 hours from the following:
   12 hrs

6. Capstone Requirements
   None

7. Foreign Language Requirements
   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 used to
    satisfy categories 2 and 3 of the departmental degree requirements.
    Achieve at least a minimum overall 2.5 GPA in all courses used 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.
    Before applying to graduate, the CLAS must be completely satisfied.

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 resi-
dency 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, the
    CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   124
FORENSIC SCIENCE - BIOCHEMISTRY TRACK (B.S.)

College of Sciences

Department of Chemistry, Chemistry, Room: 306A

http://chemistry.cos.ucf.edu/

E-mail: chemistry@ucf.edu

Dr. G. Mattison, mattison@mail.ucf.edu, 407-823-1522
407-823-2246

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 selected to complete categories 4 and 5 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 1603 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)
- Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Required BSC 2048C Biology I 4 hrs
- Required PHY 2048C Physics for Engineers & Scientists I 4 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.

3. Core Requirements: Basic Level (20 hrs)

Core Science and Mathematics Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
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<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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 4537 Forensic Laboratory Quality Assurance 2 hrs
- CHS 3556 Forensic Science in the Courtroom 3 hrs
- CHS 3533 Forensic Biochemistry I 2 hrs
- CHS 4591 Forensic Science Internship 4 hrs

B. Forensic Biochemistry Track: (27 hrs)
- MCB 3020C General Microbiology 5 hrs
- BCH 4035 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- CHS 4534C Forensic Biochemistry II 3 hrs
- CHS 3533L Forensic Biochemistry I Laboratory 1 hr

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 used 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.

Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

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 taken at community colleges 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 must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and 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://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
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<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
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Freshman Year - Spring

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<td>Physics for Engineers &amp; Scientists I</td>
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<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td>CHS 3501</td>
<td>Introduction to Forensic Science</td>
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Sophomore Year - Fall

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<th>Course Code</th>
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<tr>
<td>GEP</td>
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<td>3</td>
</tr>
<tr>
<td>SPC 1603</td>
<td>Fundamentals of Technical Presentations</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3</td>
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<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
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<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
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Sophomore Year - Spring

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Senior Year - Fall

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<tr>
<td>PCB 3063</td>
<td>Genetics</td>
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<tr>
<td>PCB 3063L</td>
<td>Genetics Laboratory</td>
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</tr>
<tr>
<td>CHS 3505C</td>
<td>Forensic Microscopy</td>
<td>4</td>
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<tr>
<td>CHS 4537</td>
<td>Forensic Laboratory Quality Assurance</td>
<td>2</td>
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<tr>
<td>Restricted Elective</td>
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Senior Year - Spring

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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<td>GEP</td>
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<td>3</td>
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<td>CHS 3595</td>
<td>Forensic Science in the Courtroom</td>
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<td>CHM 3120</td>
<td>Analytical Chemistry</td>
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Senior Year - Summer

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<td>PCB 3233</td>
<td>Immunology</td>
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<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
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<tr>
<td>CHS 3533</td>
<td>Forensic Biochemistry I</td>
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<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3</td>
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<tr>
<td>PCB 3522</td>
<td>Molecular Biology I</td>
<td>3</td>
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<td>PCB 4524</td>
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<tr>
<td>CHS 3533L</td>
<td>Forensic Biochemistry I Laboratory</td>
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</table>

French (B.A.)

College of Arts and Humanities

Department of Modern Languages and Literatures,

Colbourn Hall, Room: 523

http://mll.cah.ucf.edu/

Dr. Paul Giordano
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.
UCF Degree Programs

- 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 80 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)
   1 Required MGF 1106 Finite Mathematics 3 hrs
   Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (may substitute a higher level math)

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)
   1 FRE 3300 French Grammar 3 hrs
   1 FRE 3780 French Phonetics and Diction 3 hrs
   1 FOL 3730 Romance Philology 3 hrs
   Select 1: 3 hrs
   1 FRE 3420 French Composition or 3 hrs
   1 FRE 4422 Advanced French Composition 3 hrs
   Select 1: 3 hrs
   1 FRE 3760 Advanced French Oral Communication or 3 hrs
   1 FRE 4421 Advanced French Conversation 3 hrs
   Select 1: 3 hrs
   1 FRW 3101 Survey of French Literature I or 3 hrs
   1 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 Computer Science 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Spanish
- Modern Language Combination

Certificates
- None

Related Minors
- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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.oeas.ucf.edu/aic/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/
E-mail: uss@bus.ucf.edu
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, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- 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 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)
   - Communication Foundations (9 hrs)
     - SPC 1608 Fundamentals of Oral Communication 3 hrs
   - Cultural & Historical Foundations (9 hrs)
     - CGS 2100C Computer Fundamentals for Business 3 hrs
   - Mathematical Foundations (6 hrs)
     - ECO 2013 Principles of Macroeconomics 3 hrs
   - Social Foundations (6 hrs)
     - Select 1: 3 hrs
       - ECO 2023 Principles of Microeconomics 3 hrs
     - Select 1: 3 hrs
       - Suggested MAC 1140 Pre-Calculus Algebra 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
   - Science Foundations (6 hrs)
     - Select one of the following sequences of courses:
       - Students must receive 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
       - MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs
   - 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 take at least one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, and Marketing.
     - Second Level Core electives: must take one class from courses listed below in Finance, Management, and Marketing.

2. Core Requirements: Basic Level
   - None
   - Core Requirements: Advanced Level (32 hrs)
   - Core Classes 32 hrs
   - First or subsequent semester in the College of Business 32 hrs Administration:
     - BUL 3130 Legal and Ethical Environment of Business 4 hrs
     - ECO 3411 Quantitative Business Tools II and FIN 3403C Business Finance and 4 hrs
     - GEB 3031 Cornerstone: Professional Skills for Business and 3 hrs
     - 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 3025 Marketing and 4 hrs
     - MAR 3203 Supply Chain Management 4 hrs
     - 1 Required in 1st or 2nd semester
     - 2 Must be taken with GEB 3031
     - Second Level Core 12 hrs
       - Students must take at least one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, and Marketing.
       - Second Level core electives: must take one class from courses listed below in Finance, Management, and Marketing.

Economics: Must Select 3 hrs
- ECP 4703 is required.
- ECP 4707 Managerial Economics 3 hrs

Finance: Select One 3 hrs
- FIN 3303 Financial Markets or 3 hrs
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 3504 Investment Analysis 3 hrs

Management: Select One 3 hrs
- GEB 3113 How to Start a Business or 3 hrs
- MAN 3321 Management of Human Resources or 3 hrs
- MAN 4240 Organizations: Theory and Behavior or 3 hrs
- MAN 4441 Conflict Resolution and Negotiation 3 hrs

Marketing: Select One 3 hrs
- MAR 3403 Sales Force Management or 3 hrs
- MAR 3613 Marketing Analysis and Research or 3 hrs
- MAR 4156 International Marketing or 3 hrs
- MAR 4841 Services Marketing 3 hrs

5. Restricted Electives (12 hrs)
   - Restricted electives are to be taken from two different departments and from the courses listed above or below from Economics, at least two of the restricted electives must be at the 4000 level.
   - 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.
   - ECO 3223 Money and Banking 3 hrs
   - ECP 3203 Labor Economics 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
     - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
     - MAR 3025 Management of Organizations 4 hrs
     - MAR 3203 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.

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, the CLAS and nine hours of summer credit (if applicable)

Total Semester Hours Required 120

Honors in Major
- None
UCF Degree Programs

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College 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
- Courses taken at community colleges 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
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring
- 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
- 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
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Supply Chain Management 4 hrs

Junior Year - Spring
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAR 3023 Marketing 4 hrs

Senior Year - Fall
- GEB 3375 Introduction to International Business 4 hrs

Senior Year - Spring
- 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.oees.ucf.edu/alic/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 and Public Affairs II, Room: 210
http://www.cooha.ucf.edu/hmi/shim.cfm
Dr. Alice M. Noblin, anoblin@mail.ucf.edu
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 includes 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 Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, 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

1. UCF General Education Program (GEP)

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

Suggested MAC 1105C College Algebra 3 hrs
Suggested STA 2014C Principles of Statistics 3 hrs
4. Core Requirements: Advanced Level (66 hrs)

1 See Transfer Notes

- BSC 2010C Biology I 4 hrs
- 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 200C Human Anatomy 4 hrs
3733C
PCB 3703C Human Physiology 4 hrs
STA 2014C Principles of Statistics GEP
1 CGS Computer Fundamentals for Business 3 hrs
2100C
AGC 2071 Principles of Managerial Accounting 3 hrs
AGC 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
- HSC 3619 Foundations of Health Information Management (HIM) 3 hrs
- HIM 3116C Health Record Organization and Management 4 hrs
- HIM 3086C Professional Practice Experience I 3 hrs
- HIM 4616C Professional Practice Experience II 3 hrs
- HIM 4228C 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 MAN 3025 Management of Organizations 3 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 residence 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Health Services Administration
- Business Administration
- Computer Science

Certificates

- None

Transfer Notes

- Community College Equivalents:
  - Human Anatomy & Physiology I & II (BSC X085 and X086)
  - Financial Accounting (AGC 2021)
  - Managerial Accounting (AGC 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

- 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:

- PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- BSC 2010C Biology I 4 hrs

Select 1:

- EIH 2000 Western Civilization I or HUM 2210 Humanistic Tradition I or AMH 2010 U.S. History: 1492-1877 3 hrs

Select 1:

- POS 2041 American National Government or ECO 2013 Principles of Macroeconomics 3 hrs

Sophomore Year - Fall

- ZOO 3733C Human Anatomy 4 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs

Select 1:

- EIH 2001 Western Civilization II or HUM 2230 Humanistic Tradition II or AMH 2020 U.S. History: 1877-Present 3 hrs

Sophomore Year - Spring

- ACG 2071 Principles of Managerial Accounting 3 hrs
- PCB 3703C Human Physiology 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:

- ARH 2050 History of Western Art I or ARH 2051 History of Western Art II or MUL 2100 Enjoyment of Music or THE 2000 Theatre Survey or
UCF Degree Programs

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 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

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 Management 4 hrs
HIM 4508C Quality Management 3 hrs
HIM 426C 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 5170 Health Care Finance 3 hrs

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 4559 Pathophysiology II 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.

Degree Requirements
- None

1 Students must earn appropriate score on placement exam prior to enrolling in these classes.
2 Students must achieve at least 2.5 overall GPA for graduation.
3 No transfer course will be accepted with a grade lower than a "C."
4 The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
5 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.
6 Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
7 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 community college, 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."

Health Sciences - Pre-Clinical Track (B.S.)
College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs II, Room: 118
http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml
Dr. Suha Saleh, 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 physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences.
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
- CHM 2205  Introduction to Organic and Biochemistry  5 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 3063  Neurobiology  3 hrs
- MCB 3020C  General Microbiology  5 hrs
- MCB 4503C  Virology  3 hrs
- PCB 3063  Genetics  3 hrs
- PCB 3033L  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 4704C  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 public community college 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Interested students should consult with a faculty advisor

Related Programs
- Biology
- Athletic Training

Certificates
- None

Related Minors
- Pre-professional
- Business Administration
- 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 a Florida public community college Associate of Arts Degree is strongly recommended. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- Students who begin a two-semester sequence course (e.g. General Chemistry, College Physics) at a Florida public community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF.
- Students who take Anatomy and Physiology at a Florida community college 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 1020 and BSC 1020L)
- 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.
UCF Degree Programs

- 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 1093 and X094 or BSC 1085 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

### Degree Requirements

#### 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 Public University/Community College 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 Community College, 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.

#### 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](http://www.oeas.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 and Public Affairs II, Room: 210


**E-mail:** hsainfo@mail.ucf.edu

Dr. Reid Oetjen, Undergraduate Program Director

Dr. Myron Gottlieb, Executive Director of HSA Programs

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](http://learn.ucf.edu). Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online.

For more information, see [http://distrib.ucf.edu/home](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 Public University/Community College 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 Community College, 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.

#### 1. UCF General Education Program (GEP) (36 hrs)

**A: Communication Foundations**

- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

**C: Mathematical Foundations**

- Suggested MAC 1105C College Algebra 3 hrs

#### D: Social Foundations

- Suggested CGS 2100C Introduction to Computer Science 3 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.

**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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Undergraduate Catalog 2011-2012
Select 1:
- CGS 2100C Computer Fundamentals for Business or GEP
- CGS 1060C Introduction to Computer Science 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 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
- 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 and Ethics 3 hrs
- HSA 4184 Organization & Management for Health Agencies II
- HSA 4191 Health Care Automation 3 hrs
- HSA 4850 Health Services Administration Internship 1 hr

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 public community college 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
- None

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, the CLAS and nine hours of Summer credit (if applicable)

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: 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 4190  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 4108  Principles of Managed Care  3 hrs
HSC 4564  Health Care Needs of the Elderly  3 hrs
HSC 4562  Health Law and Ethics  3 hrs
HSA 4939  Health Services Administration Capstone  3 hrs
HSA 4850  Health Services Administration Internship  1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

History (B.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://www.history.cah.ucf.edu/
E-mail: history@mail.ucf.edu
Dr. Rosalind J. Beiler
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 at the UCF History Department.
- Students must complete 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)
   1 Prefer MGF 1106  Finite Mathematics  3 hrs
   Prefer CWS 100C  Introduction to Computer Science  3 hrs

   1 (may substitute a higher level math)

   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

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 within three of 4 geographic regions
     - Asian, African, and Middle Eastern  6 hrs
     - British and European  6 hrs
     - Latin American  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, the CLAS and nine hours of Summer credit (if applicable)

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
Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oecs.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
E-mail: hospitality@mail.ucf.edu

Dr. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
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: Required CGS 2100C Computer Fundamentals for Business, 3 hrs
   Select 2: Required STA 2023 Statistical Methods I, 3 hrs

2. Social Foundations (6 hrs)
   Select 1: Required ECO 2013 Principles of Macroeconomics or, 3 hrs
   Select 2: Required ECO 2023 Principles of Microeconomics, 3 hrs

3. Core Requirements: Basic Level (34 hrs)
   Hospitality Management Core
   Required: MAC 1105C College Algebra, 3 hrs
   FSS 2221C Techniques of Food Preparation, 4 hrs
   HFT 3451 Hospitality Industry Financial Accounting, 3 hrs
   HFT 3463 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

4. Core Requirements: Advanced Level (21 hrs)
   Sectoral Core (Choose 6 of the Following 7) 18 hrs
   Select 1: HFT 2254 Lodging Operations, 3 hrs
   Select 2: HFT 3700 Tourism Management, 3 hrs
   Select 3: HFT 2750 The Event Industry, 3 hrs
   Select 4: HFT 3263 Restaurant Management, 3 hrs
   Select 5: HFT 3273 Principles of Resort Timesharing, 3 hrs
   Select 6: HFT 4765 Theme Park and Attraction Management, 3 hrs
   Select 7: HFT 4277 Yacht, Country, And City Club, 3 hrs
## UCF Degree Programs

**Internships**
- HFT 3840  Internship  1 hr
- HFT 4941  Internship  1 hr
- HFT 4944  Practicum  1 hr

**5. Restricted Electives**  (15 hrs)
- Students must take 15 credit hours (five courses) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 3035</td>
<td>Corporate Contract and Managed Services Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3353</td>
<td>Golf Planning &amp; Operations I</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3354</td>
<td>Agronomy for Golf Course Management</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3355</td>
<td>Golf Planning &amp; Operations II</td>
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<tr>
<td>HFT 3357</td>
<td>Golf &amp; Club Event Operations</td>
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<td>HFT 3364</td>
<td>Golf and Club Enterprises Management</td>
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<td>HFT 3524</td>
<td>Franchising in the Restaurant Industry</td>
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<tr>
<td>HFT 3741</td>
<td>Meeting Management</td>
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<td>HFT 3798</td>
<td>Fairs and Festivals</td>
<td>3 hrs</td>
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<td>HFT 3868</td>
<td>History and Culture of Wine</td>
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<td>HFT 4253</td>
<td>Hotel Operations</td>
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<td>HFT 4266</td>
<td>Restaurant Brand Management</td>
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<td>HFT 4268</td>
<td>Case Studies in Restaurant Management</td>
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<td>HFT 4274</td>
<td>Resort Management</td>
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<td>HFT 4281</td>
<td>Restaurant Leadership Strategies and Tactics</td>
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<td>HFT 4343</td>
<td>Hospitality Facilities Planning and Design</td>
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<td>HFT 4358</td>
<td>Golf &amp; Club Facility Design</td>
<td>3 hrs</td>
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<td>HFT 4432</td>
<td>Hospitality Industry Auditing</td>
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<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
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<td>HFT 4522</td>
<td>Resort Sales Tactics and Strategies</td>
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<td>HFT 4532</td>
<td>Managing the Employee Experience in the Theme Park and Attraction Industry</td>
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<td>HFT 4561</td>
<td>Destination Marketing</td>
<td>3 hrs</td>
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<td>HFT 4564</td>
<td>Risk Management in Theme Parks and Attractions</td>
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<td>HFT 4735</td>
<td>Tourism Geography</td>
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<td>HFT 4736</td>
<td>Destination Management</td>
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<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations</td>
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<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions</td>
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<td>HFT 4762</td>
<td>Current Practices in the Airline Industry</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4787</td>
<td>Operational Issues in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
<td>3 hrs</td>
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<tr>
<td>HFT 4864</td>
<td>Seminar in Quality Brewing and Fine Beer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4866C</td>
<td>Exploring Wines of the World</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4894</td>
<td>International Gastronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUN 3013</td>
<td>Nutrition Concepts and Issues in the Food Service Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Specialized Tracks**  (15 hrs)
- 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 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 Product Development in Theme Parks and Attractions or Managing the Guest Experience in the Theme Park and Attraction Industry or Operational Issues in the Theme Park and Attraction Industry or Entertainment Arts and Events

**Golf and Club Management Track**  (15 hrs)
- HFT 3353  Golf Planning & Operations I or Agronomy for Golf Course Management or Golf Planning & Operations II or Golf & Club Event Operations

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**
- 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.

## Total Semester Hours Required
- 120

### 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, the CLAS and nine hours of Summer credit (if applicable)

## 11. Departmental Exit Requirements
- None

## 10. Required Minors
- None

## 9. Additional Requirements
- Required Minors
- None

## 8. Certificates
- None

## 7. Foreign Language Requirements
- None

## 6. Capstone Requirements
- None

## 5. Plan of Study
- Plan your required nine summer credit hours into your course of study.

### Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- HFT 1000  Introduction to the Hospitality and Tourism Industry  3 hrs
- Select 1:
  - CGS 2100C  Computer Fundamentals for Business or STA 2023  Statistical Methods I  3 hrs
- Select 1:
  - PSY 2012  General Psychology or  3 hrs

[University of Central Florida Undergraduate Catalog 2011-2012](#)
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: $37.50 per term
- Full-Time Student: $75 per term

Humanities (B.A.)

College of Arts and Humanities

Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu

Dr. Doug Evans
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)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (24 hrs)

HUM 2210 Humanistic Tradition I GEP 3 hrs
HUM 2230 Humanistic Tradition II GEP 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 departmental 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
- HUM 3552 Christian Thought or 3 hrs
- REL 3553 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. PHIH 3100 Ancient Philosophy or 3 hrs
- PHIH 3200 Medieval Philosophy or 3 hrs
- PHIH 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
- HUM 3417 Hindu Thought and Culture or 3 hrs
- HUM 3419 Islamic Thought and Culture or 3 hrs
- HUM 3460 Latin American Humanities or 3 hrs
- HUM 4303 The Spiritual Ideal or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma 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 3460 Modern Western Philosophy 3 hrs

1 Only one of these courses may be taken.
UCF Degree Programs

Multicultural Humanities 24 hrs
Traditions and Applications 15 hrs
  ANT 3311 Indians of the Southeastern United States
  or
  ARH 3520 African Art or
  HUM 3401 Asian Humanities or
  HUM 3417 Hindu Thought and Culture or
  HUM 3419 Islamic Thought and Culture or
  REL 3553 Moses, Jesus and Muhammad or
  HUM 3460 Latin American Humanities or
  JST 3401 Jewish People in Antiquity or
  PHH 3701 Native American Philosophy or
  PHM 3123 Feminist Theories or
  PHI 3790 African Philosophy

Foundations 3 hrs
  HUM 3320 Contemporary Multicultural Studies
  Select 1: 3 hrs
    HUM 3431 Ancient Humanities or
    HUM 3435 Medieval Humanities
  Select 1: 3 hrs
    HUM 3252 Contemporary Humanities or
    HUM 3255 Modern Humanities

Critical Humanities 24 hrs
Foundations 9 hrs
  HUM 3255 Modern Humanities and
  HUM 3252 Contemporary Humanities and
  PHI 4804 Critical Theory
  Traditions and Applications 15 hrs
  HUM 4330 Performance Theory or
  HUM 4554 Religious Quest and Human Dilemma or
  HUM 3934 Representations of Place and Space or
  PHH 3510 Marx and Nietzsche or
  PHI 3638 Ethical Issues in the 21st Century or
  PHI 3033 Philosophy, Religion, and the Environment or
  PHM 3022 Sexuality, Gender & Philosophy or
  PHM 3123 Feminist Theories or
  PHP 3786 Existentialism or
  PHP 4782 Phenomenology or
  REL 3111 Religion and Philosophy Through Film or
  REL 3115 Religion, Spirituality, and Popular Music

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
    HUM 4303 The Spiritual Ideal or
    PHI 3700 Philosophy of Religion or
    PHI 3800 Aesthetics or
    Other courses as approved by 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.

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 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

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
   Religious Studies
   Philosophy
   Humanities - Philosophy, Religion, & Popular Culture Track

Certificates
   None

Related Minors
   Environmental Studies
   Humanities
   Philosophy
   Religious Studies

Advising Notes
   None

Transfer Notes
   Courses taken at community colleges 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
   ENC 1102 Composition II 3 hrs
   HUM 2230 Humanistic Tradition II 3 hrs

Freshman Year - Spring 16 hrs
   ENC 1101 Composition I 3 hrs
   HUM 2210 Humanistic Tradition I 3 hrs
   MGF 1106 Finite Mathematics 3 hrs
   ENC 1102 Composition II 3 hrs
   HUM 2230 Humanistic Tradition II 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
### Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)

**College of Arts and Humanities**

**Department of Philosophy, Psychology Building, Room: 220**

http://www.philosophy.cah.ucf.edu/

**E-mail:** philosophy@mail.ucf.edu

Dr. Doug Evans, dkevans@mail.ucf.edu, 407-823-2273

Dr. Shelley Park (Cocoa Campus), spark@mail.ucf.edu, 321-433-7919

### 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oceans.ucf.edu/alc/academic_learning_compacts.htm](http://www.oceans.ucf.edu/alc/academic_learning_compacts.htm)

### UCF Degree Programs

- **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)
       - Suggested HUM 2210: Humanistic Tradition I
       - Suggested HUM 2230: Humanistic Tradition II

     - **B: Cultural & Historical Foundations** (9 hrs)
       - Suggested PHI 2010: Introduction to Philosophy

     - **C: Mathematical Foundations** (6 hrs)
       - 1) Prefer MGF 1106: Finite Mathematics
       - Prefer STA 1060C: Basic Statistics Using Microsoft Excel

   1) (May substitute a higher level math course)

     - **D: Social Foundations** (6 hrs)
       - PHI 3684: Ways of Living
       - PHI 4341: Ways of Knowing

     - **E: Science Foundations** (6 hrs)

   2. **Common Program Prerequisites (CPP)**

     - **None**

   3. **Core Requirements: Basic Level**

     - HUM 2210: Humanistic Tradition I
     - HUM 2230: Humanistic Tradition II
     - PHI 2010: Introduction to Philosophy

   4. **Core Requirements: Advanced Level** (18 hrs)

### Theoretical Foundations

- PHI 3684: Ways of Living
- PHI 4341: Ways of Knowing

### Philosophy

- PHI 3670: Ethical Theory
- PHI 3700: Philosophy of Religion
- PHI 3800: Aesthetics
- PHI 3910: Freedom and Justice
- PHI 3720: Faith and Reason
- PHI 3734: Existentialism
- PHI 4804: Critical Theory
- PHI 4303: Theories of Knowledge
- PHI 2108: Critical Thinking

### Religion

- CLT 3378: Comparative Mythology
- HUM 3852: Christian Thought
- REL 3553: Moses, Jesus and Muhammad
- HUM 3417: Hindu Thought and Culture
- HUM 3419: Islamic Thought and Culture
- HUM 4303: The Spiritual Ideal
- HUM 4554: Religious Quest and Human Dilemma
- PHI 3750: The Problem of Evil

### Popular Culture Studies

- 12 hrs

### Contemporary Media

- 6 hrs

### Contemporary Forms of Life

- 6 hrs

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oceans.ucf.edu/alc/academic_learning_compacts.htm](http://www.oceans.ucf.edu/alc/academic_learning_compacts.htm)

- **Select 1:** 3 hrs

  - REL 2300: World Religions
  - PHI 2010: Introduction to Philosophy

- **Sophomore Year - Fall** 12 hrs

  - GEP: 3 hrs
  - Restricted Elective: 3 hrs
  - Supporting Elective: 3 hrs

- **Sophomore Year - Spring** 15 hrs

  - GEP: 3 hrs
  - Restricted Elective: 3 hrs
  - Supporting Elective: 3 hrs

- **Junior Year - Fall** 15 hrs

  - Restricted Elective: 3 hrs
  - Restricted Elective: 3 hrs
  - Supporting Elective: 3 hrs

- **Junior Year - Spring** 15 hrs

  - Restricted Elective: 3 hrs
  - Restricted Elective: 3 hrs
  - Supporting Elective: 3 hrs

- **Senior Year - Fall** 15 hrs

  - Restricted Elective: 3 hrs
  - Restricted Elective: 3 hrs
  - Restricted Elective: 3 hrs

- **Senior Year - Spring** 16 hrs

  - HUM 4933: Senior Research Seminar
  - Restricted Elective: 3 hrs
  - Restricted Elective: 3 hrs
  - Restricted Elective: 3 hrs
  - Restricted Elective: 4 hrs

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**2017**
UCF Degree Programs

PHI 4321  Philosophies of Embodiment: Mind/Body/ Self or  3 hrs
REL 3131  Religion in America  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 4903H Honors Directed Reading I  3 hrs
  - STA 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

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
- Religious Studies

Certificates
- None
Related Minors
- Humanities
- Philosophy
- Religious Studies
Advising Notes
- None
Transfer Notes
- Courses taken at community colleges 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

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
- None
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 State University/ Community College Systems 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 1603 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 2311 Calculus with Analytic Geometry I  4 hrs
- Required STA 3032 Probability and Statistics for Engineers  3 hrs

D: Social Foundations  (6 hrs)
- Select 1:
  - Prefer ECO 2013 Principles of Macroeconomics  3 hrs
  - or
  - Prefer ECO 2023 Principles of Microeconomics  3 hrs
- Select one class from Social Foundations Group 2  3 hrs

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
Select 1: 4 hrs
in all courses in this section with a prefix of EIN, ESI and STA.

Courses Required for the Major 59 hrs

1. 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

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 2311 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 Differential Equations 3 hrs
   - 1 PHY 2048C Physics for Engineers & Scientists I GEP
   - 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Advanced Level (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 3613 Engineering Economic Analysis 2 hrs
   - EGN 4624 Engineering Administration 3 hrs
   - STA 3032 Probability and Statistics for Engineers GEP
   - EIN 3001 Introduction to Industrial Engineering and Management Systems
   - EIN 3314 Work Analysis and Design 3 hrs
   - EIN 3354 Principles of Cost Engineering 3 hrs
   - ESI 4626C Industrial Engineering Applications of Computers
   - 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
   - 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.

4. Core Requirements: Advanced Level (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 3613 Engineering Economic Analysis 2 hrs
   - EGN 4624 Engineering Administration 3 hrs
   - STA 3032 Probability and Statistics for Engineers GEP
   - EIN 3001 Introduction to Industrial Engineering and Management Systems
   - EIN 3314 Work Analysis and Design 3 hrs
   - EIN 3354 Principles of Cost Engineering 3 hrs
   - ESI 4626C Industrial Engineering Applications of Computers
   - 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
   - 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 (4 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
   - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements (6 hrs)
    - EIN 4516C Systems Analysis and Design 3 hrs
    - EIN 4891C Industrial Engineering Senior Design Project

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 minimum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Courses taken from Community Colleges 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 area 5. Restricted Electives.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

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Select 1: 3 hrs

ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Fall 14 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
EIN 3001 Introduction to Industrial Engineering and Management Systems 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Spring 15 hrs
MAP 2302 Differential Equations 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EIN 4517 Systems Engineering 3 hrs
EIN 4243C Human Engineering 3 hrs

Select 1: 3 hrs

SPP 1608 Fundamentals of Oral Communication or 3 hrs
SPP 1603 Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Summer 8 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
GEP 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs

Junior Year - Fall 15 hrs
EIN 3314 Work Analysis and Design 3 hrs
EIN 4391 Manufacturing Engineering 3 hrs
EIN 3354 Principles of Cost Engineering 3 hrs
ESI 4312 Operations Research 3 hrs
ESI 4628C Industrial Engineering Applications of Computers 3 hrs

Junior Year - Spring 15 hrs
EIN 4384 Facilities Planning 3 hrs
ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
ESI 4523C Systems Simulation 3 hrs
EIN 4333 Production and Distribution Systems 3 hrs

Select 1: 3 hrs

EGN 3358 Thermo-Fluids-Heat Transfer or 3 hrs
EGN 3343 Thermodynamics 3 hrs

Junior Year - Summer 6 hrs
GEP 3 hrs
GEP 3 hrs

Senior Year - Fall 13 hrs
EIN 4516C Systems Analysis and Design 3 hrs
ESI 4234 Quality Engineering 3 hrs
Restricted Elective 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
EGN 4624 Engineering Administration 3 hrs

Senior Year - Spring 12 hrs
EIN 4891C Industrial Engineering Senior Design Project 3 hrs
Restriction Elective 3 hrs
GEP 3 hrs
GEP 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.uch.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Information Technology (B.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu/
E-mail: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
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 School of Computer Science 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 SPP 1603 Fundamentals of Technical Presentations or 3 hrs
- Prefer SPP 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 1114 College Trigonometry 3 hrs
- ECO 2013 Principles of Macroeconomics GE
- PSY 2012 General Psychology GE
- PHY 2053C College Physics I GE
- 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 GE

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 (51 hrs)
- A "C" (2.0) or better is required in all these courses.

Core Requirements (45 hrs)
- COP 3502C Computer Science I 3 hrs
- CIS 3360 Security in Computing 3 hrs
- CAP 4104 Human and Technology Interaction 3 hrs
- EEL 3041 Circuit Analysis 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
Courses taken at community colleges 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.

Support Courses
- A "C" (2.0) or better is required in all these courses.
- A "C" (2.0) or better is required in all these courses.

Select 1: 3 hrs
- ENC 4293: Documentation and the Collaborative Process or ENC 4265: Writing for the Computer Industry or ENC 4414: Writing and Hypertext or ENC 4415: Digital Rhetorics and The Modern Dialectic

Select 1: 3 hrs
- ENC 3241: Writing for the Technical Professional or ENC 3211: Theory and Practice of Technical Writing or ENC 3230: Professional Writing

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
- None

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
- Computer competency met by completion of 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, the CLAS and nine hours of Summer credit (if applicable)

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.
- Courses taken at community colleges do not substitute for Upper Division courses

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshmen Year - Fall
- ENC 1101: Composition I
- SPC 1603: Fundamentals of Technical Presentations
- COP 3223: Introduction to Programming with C

Select 1: 3 hrs
- MAC 1105C: College Algebra
- MAC 1140: Pre-Calculus Algebra

Freshmen Year - Spring
- ENC 1102: Composition II
- MAC 1114: College Trigonometry
- COP 3502C: Computer Science I
- ECO 2013: Principles of Macroeconomics
- PSY 2012: General Psychology

Sophomore Year - Fall
- MAD 2104: Foundations of Discrete Math
- COP 3330: Object Oriented Programming
- PHY 2053C: College Physics I
- CIS 3003: Fundamentals of Information Technology
- GEP

Sophomore Year - Spring
- CGS 3269: Computer Architecture Concepts
- STA 2023: Statistical Methods I
- CGS 2545C: Database Concepts
- GEP

Junior Year - Fall
- CAP 4104: Human and Technology Interaction
- EEL 2041: Circuit Analysis
- CNT 3004: Computer Network Concepts
- CIS 3360: Security in Computing

Select 1: 3 hrs
- ENC 3211: Theory and Practice of Technical Writing or ENC 3250: Professional Writing

Junior Year - Spring
- CIS 4313: Managing IT Integration
- PHI 3626: Advanced Ethics in Science and Technology
- GEP
- CGS 3763: Operating System Concepts

Select 1: 3 hrs
- ENC 4265: Writing for the Computer Industry or ENC 4293: Documentation and the Collaborative Process or ENC 4414: Writing and Hypertext or ENC 4415: Digital Rhetorics and The Modern Dialectic

Senior Year - Fall
- CNT 4703C: Design and Implementation of Computer Communication Networks
- CIS 4004: Web-Based Information Technology
- Restricted Elective
- Free Elective
- CNT 4603: System Administration and Maintenance

Senior Year - Spring
- Restricted Elective
- Free Elective
- COP 4910: Frontiers in Information Technology
- CNT 4714: Enterprise Computing

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 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
E-mail: is@mail.ucf.edu
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, CLAS, 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)
   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.

Graduation
- Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
- Required Minors
  - 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

Graduation requirements must be completed within six years of entrance into Interdisciplinary Studies. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

**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
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 toward 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)
     Required MAC 1105C College Algebra 3 hrs
     Required STA 2023 Statistical Methods I 3 hrs
     \( ^1 \text{may take a higher level math} \)
   - D: Social Foundations (6 hrs)
     Required SYG 2000 Introduction to Sociology 3 hrs
     Select 1:
     Required ECO 2013 Principles of Macroeconomics 3 hrs
     or
     Required ECO 2023 Principles of Microeconomics 3 hrs

2. Science Foundations (8 hrs)
   Required BSC 2010C Biology I 4 hrs
   Required CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Program Prerequisites (CPP) (11 hrs)
   - None

3. 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

Select 1:
- ECO 2013 Principles of Macroeconomics or
  - ECO 2023 Principles of Microeconomics

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
     GEP
     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 4156C Florida Wildflowers 4 hrs
- BOT 4303C Plant Kingdom 5 hrs
- BOT 4686C Conservation and Management of Native Plants 4 hrs
- BOT 4713C Plant Taxonomy 5 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- OCE 3008 Oceanography 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3304C River Ecology 4 hrs
- PCB 3442 Aquatic Ecology 3 hrs
- PCB 4302C Physiochemical Limnology 4 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
- PCB 3314 Marine Bio Diversiry 3 hrs
- PCB 4303C Biological Limnology 4 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
- GIS 4033C Remote Sensing of the Environment 3 hrs
- INR 4351 International Environmental Law 3 hrs
### Interdisciplinary Studies - Women's Studies Track (B.A.)

**Office of Undergraduate Studies**  
**Office of Interdisciplinary Studies, Classroom 1, Room: 302**  
Program in Women’s Studies, Colburn Hall, Room: 411  
http://www.is.ucf.edu  
E-mail: is@mail.ucf.edu  
E-mail: womenst@mail.ucf.edu  
Interdisciplinary Studies Advising Team, 407-823-0144  
Dr. M.C. Santana, 407-823-2260

Interdisciplinary Studies - Women’s Studies track is a broadly based interdisciplinary curriculum which 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)
- Communication Foundations (9 hrs)
- Cultural & Historical Foundations (9 hrs)
- Mathematical Foundations (6 hrs)
- Social Foundations (6 hrs)
- 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 Area 18 hrs
- 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
- Selected from:
  - AML 3614 Topics in African-American Literature or
  - ANT 4308 Gender Issues in Latin America or
  - ASH 4304 Women in China or

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**Undergraduate Programs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</td>
<td>3 hrs</td>
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<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3033</td>
<td>Philosophy, Religion, and the Environment</td>
<td>3 hrs</td>
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<tr>
<td>PHI 3640</td>
<td>Environmental Ethics</td>
<td>3 hrs</td>
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<tr>
<td>PHI 4400</td>
<td>Philosophy of Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4633</td>
<td>Ethics and Biological Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHL 4031</td>
<td>Environmental Philosophy</td>
<td>3 hrs</td>
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<tr>
<td>PLA 4554</td>
<td>Environmental Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4204</td>
<td>Sustainability</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4209</td>
<td>Urban Environmental Policy</td>
<td>3 hrs</td>
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<tr>
<td>E: Science Foundations (6 hrs)</td>
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<td></td>
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<tr>
<td>D: Social Foundations (6 hrs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations (9 hrs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A: Communication Foundations (9 hrs)</td>
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<tr>
<td>C: Mathematical Foundations (6 hrs)</td>
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<tr>
<td>Select 5: AML 3614 Topics in African-American Literature or</td>
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<td>ANT 4308 Gender Issues in Latin America or</td>
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<tr>
<td>ASH 4304 Women in China or</td>
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**UCF Degree Programs**

**Related Programs**
- Biology
- Chemistry
- Environmental Engineering
- Political Science
- Economics

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- None

**Transfer Note**
- Courses taken at community colleges 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.oecs.ucf.edu/alc/academic_learning_compacts.htm
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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120

Honors in Major
- None

Related Programs
- None

Interdisciplinary Studies
- None

Certificates
- None

Related Minors
- Most UCF minors

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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

International and Global Studies (B.A.)

College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
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
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Double major/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
UCF Degree Programs

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
  Prefer WOH 2022 World Civilization II
  Required One course from GEP B.2 list

C: Mathematical Foundations (6 hrs)
  Math:
    Prefer MGF 1106 Finite Mathematics
    Prefer MGF 1107 Explorations in Mathematics
    May substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics: 3 hrs
  Prefer STA 2014C Principles of Statistics
  Prefer STA 1060C Basic Statistics Using Microsoft Excel
  May substitute a more advanced STA course.

D: Social Foundations (6 hrs)
  Prefer POS 2041 American National Government
  Required One course from GEP D.2 list

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
  None

3. Core Requirements: Basic Level (6 hrs)
  INR 2002 International Relations-Theory and Practice
  POS 2041 American National Government
  ECO 2013 Principles of Macroeconomics

4. Core Requirements: Advanced Level (15 hrs)
  GEO 3471 World Political Geography
  IDS 4515 Global Perspectives
  CPO 3103 Comparative Politics
  POS 3703 Scope and Methods of Political Science
  INR 4603 International Relations Theory

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
     CPO 3104 Politics of Western Europe
     CPO 3403 Politics of the Middle East
     CPO 3614 Politics of Eastern Europe
     CPO 4062 Comparative Judicial Process
     CPO 4074 Political Economy
     CPO 4101 Politics of the European Union
     CPO 4123 Government and Politics of Great Britain
     CPO 4303 Comparative Latin American Politics
     CPO 4563 Politics of Japan
     CPO 4643 Government and Politics of Russia
     CPO 4710 Women in Comparative Politics
     POS 3534 Contemporary Politics of the Mayan Region
     POS 3525 Contemporary Revolution and Political Violence
     CPO 4514 Politics of East Asia

   Functional 9 hrs
     Select from the following listing:
     INR 3253 International Politics of Africa
     INR 4030 Diplomacy
     INR 4350 Global Environmental Politics
     INR 4054 Global Politics of Energy
     INR 4074 Immigration Policy
     INR 4075 Human Rights Policy
     INR 4076 Global Drug Policy
     INR 4304 Issues in International Public Policy
     INR 4364 The Intelligence Community
     INR 4714 Politics of International Trade Policy
     INR 4035 International Political Economy
     INR 4064 Women, Gender, and Globalization
     INR 4102 American Foreign Policy
     INR 4104 Topics and Cases in American Foreign Policy
     INR 4114 American Security Policy
     INR 4115 Strategic Weapons and Arms Control
     INR 4224 Contemporary International Politics of Asia

   INR 4243 International Politics of Latin America
   INR 4335 Coercion in International Politics
   INR 4351 International Environmental Law
   INR 4401 International Law I
   INR 4402 International Law II
   INR 4404 Space Law
   INR 4502 International Organizations
   1INR 4941 Internship
   PUP 4503 Government and Science
   PUP 4510 Space Policy
   INR 4084 Politics of International Terrorism

   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: Political Science: For students who excel, a limited number of internship 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.

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 track 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, Spanish, or Modern Language Combination.
  Asian Studies
  French
  German
  International Business
  Italian
  European Studies
  Latin American Area Studies
  Middle Eastern Studies
  Spanish

11. Departmental Exit Requirements
  Maintain a minimum GPA of 2.0 in the major.
  Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

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 taken at community colleges 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.

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
- MGF 1107 Explorations in Mathematics 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs
- WOH 2022 World Civilization II 3 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs

Sophomore Year - Fall 16 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Foreign Language 4 hrs
- GEO 3471 World Political Geography 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 16 hrs
- Foreign Language 4 hrs
- IDS 4315 Global Perspectives 3 hrs
- COP 3103 Comparative Politics 3 hrs
- INR 4603 International Relations Theory 3 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Restricted Elective 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.o eas.ucf.edu/alc/academic_learning_compacts.htm

Interpersonal/Organizational Communication (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: communication@mail.ucf.edu
Dr. Jim Katt, Area Coordinator, jkatt@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
407-823-2681

Admission Requirements
- None

Degree Requirements
- Students who change degree programs (other than from I/O 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.

- 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
- Required STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

C: Mathematical Foundations (6 hrs)
- Required STA 1060C Basic Statistics Using Microsoft Excel or MGF 1106 Finite Mathematics 3 hrs

Statistics: 3 hrs
- Required STA 1060C Basic Statistics Using Microsoft Excel or MGF 1106 Finite Mathematics 3 hrs
- Preferred MGF 1107 Explorations in Mathematics or MGF 1107 Explorations in Mathematics or MGF 1107 Explorations in Mathematics or MGF 1107 Explorations in Mathematics 3 hrs

Math: 3 hrs
- Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics or MGF 1107 Explorations in Mathematics or MGF 1107 Explorations in Mathematics 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

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)
- SPC 1060C Fundamentals of Oral Communication GEP

Statistics: 3 hrs
- Required STA 1060C Basic Statistics Using Microsoft Excel or STA 1060C Basic Statistics Using Microsoft Excel or STA 1060C Basic Statistics Using Microsoft Excel or STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Computer Science: 3 hrs
- Required CGS 2100C Computer Fundamentals for Business or CGS 2585C Desktop/Internet Publishing or CGS 3175 Internet Applications 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
- Take all of the following: 12 hrs
- Required COM 3011C Communication and Human Relations and COM 3120 Organizational Communication and COM 3311 Communication Research Methods and SPC 3301 Interpersonal Communication 3 hrs
# UCF Degree Programs

## 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 3 hrs
- **COM X949** Coop

A maximum of 3 credits of any combination of the following can be used as an Internal Restricted Elective:
- **ENC 3250** Professional Writing or 3 hrs
- **ENC 3311** Advanced Expository Writing or 3 hrs
- **ENC 3241** Writing for the Technical Professional 3 hrs
- Other upper division COM or SPC courses with prior approval of department 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.
- 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

## 11. Departmental Exit Requirements
- Achieve a "C" (2.0) or better average GPA in Nicholson School of Communication courses.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.
- Before applying to graduate, the CLAS must be completely satisfied.

## 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 residence 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

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**Advising Notes**
- None

**Transfer Notes**
- Lower division courses taken at community colleges 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
- MGF 1107 Explorations in Mathematics 3 hrs
- Foreign Language 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

### Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- GE 3 hrs
- Foreign Language 4 hrs
- Free Elective 3 hrs

### Sophomore Year - Fall 16 hrs
- Free Elective 3 hrs
- GE 3 hrs
- GE 3 hrs
- GE 3 hrs
- Free Elective 3 hrs

### Sophomore Year - Spring 15 hrs
- Free Elective 3 hrs
- GE 3 hrs
- GE 3 hrs
- GE 3 hrs
- CGS XXXX Computer course 3 hrs

### Junior Year - Fall 15 hrs
- COM 3011C Communication and Human Relations 3 hrs
- COM 3311 Communication Research Methods 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs

### Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs

### Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

### Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted 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.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.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
E-mail: journalism@mail.ucf.edu
Dr. Steve Collins, Area Coordinator, scollins@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
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 an essay demonstrating commitment to the field; include previously published journalistic work, if any.
- Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF's Counseling and Testing Center unless they have AP 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
- July 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.
- All students are required to pay a fee for equipment insurance.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 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.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- 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.

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 ENC 1102 Composition II
     - Speech: (3 hrs)
       - Required SPC 1608 Fundamentals of Oral Communication
   - 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 AMH 2020 U.S. History: 1877-Present
     - Group 2: Select a course from group 2. (3 hrs)
       - Prefer MG 1107 Explorations in Mathematics or MG 1106 Finite Mathematics
   - C: Mathematical Foundations (6 hrs)
     - Statistics-Computers: (3 hrs)
       - Suggested GGS 1060C Introduction to Computer Science or STA 2014C Principles of Statistics
     - Math: (3 hrs)
       - Suggested MGF 1106 Finite Mathematics or MGF 1107 to Principles of Statistics
       - Prefer STA 2014C Principles of Statistics or MGF 1107 Introduction to Computer Science
       - You may substitute a higher level math with appropriate scores on the Math Placement Exam.
   - D: Social Foundations (6 hrs)
     - Group 1: (3 hrs)
       - Prefer POS 2041 American National Government
     - 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 the following:
       - SPC 1608 Fundamentals of Oral Communication
     - 3. Core Requirements: Basic Level (12 hrs)
       - Must earn at least a "C" (2.0) in these courses in order to enroll in subsequent courses
       - Grammar Proficiency must be satisfied before enrolling in JOU 2100C.
       - These courses may be completed before acceptance into the program.
         - JOU 2100C News Reporting
         - JOU 3004 History of American Journalism
         - MMC 2004 Mass Media
         - VIC 3001 Visual Communication
   - 4. Core Requirements: Advanced Level (6 hrs)
     - These courses may be completed either before or after acceptance into the program.
       - JOU 4700 Journalism Ethics
       - MMC 3200 Mass Communication Law
   - 5. Restricted Electives (18 hrs)
     - These courses can only be completed after acceptance into the program.
       - Select courses from the following: (18 hrs)
         - JOU 3101 Advanced Reporting
         - JOU 3201 Editing I
         - JOU 3202 Editing II
         - JOU 3510 Magazine Publishing
         - JOU 4181 Public Affairs Reporting
         - JOU 4224 Magazine Editing and Production
         - JOU 4300 Feature Writing
         - JOU 4324C Converged Journalism
         - JOU 4941 Internship
         - PGY 3610C Photojournalism I
         - Any JOU or PGY prefix writing, photojournalism, or editing course
   - 6. Capstone Requirements
     - None
   - 7. Foreign Language Requirements
     - Admissions
       - Met by graduation requirement
UCF Degree Programs

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 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.
- 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 16 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- Foreign Language 4 hrs
- STA 2014C Principles of Statistics 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Apply for admission to the major

Sophomore Year - Fall 15 hrs
- JOU 2100C News Reporting 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Sophomore Year - Spring 15 hrs
- JOU 3004 History of American Journalism 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall 15 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- MMC 2004 Mass Media 3 hrs

Junior Year - Spring 15 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- VIC 3001 Visual Communication 3 hrs
- MMC 3200 Mass Communication Law 3 hrs

Senior Year - Fall 15 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- JOU 4700 Journalism Ethics 3 hrs

Senior Year - Spring 13 hrs
- Restricted Elective 3 hrs
- Free Elective 4 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.oeas.ucf.edu/aic/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
Colburn Hall, Room: 406E and F
http://las.cah.ucf.edu/
E-mail: latinamerica@mail.ucf.edu

Dr. Jose M. Maunez-Cuadra, jmaunez@mail.ucf.edu, 407-823-1173
407-823-1174

Admission Requirements

- None

Major Requirements 15 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 2001 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.
- 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)
- Required ARH 2050 History of Western Art I 3 hrs
- Select 2 Courses From B.1 Based On Area Selections 6 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 1060C Basic Statistics Using Microsoft Excel 3 hrs

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (3 hrs)

- LAS 2001 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

V. 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:

ANTHROPOLOGY

- ANT 3160 Americas Before Columbus 3 hrs
- ANT 3161 Archaeology of Mexico 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 4530 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 4047 Politics of the NAFTA Region 3 hrs
- CPO 4074 Political Economy 3 hrs
- CPO 4794 Indigenous Politics and the Environment 3 hrs
- CPO 4630 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 awarded 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, Nahua, 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
  - Entrepreneurship: For Non-Business Majors
  - 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

Advising Notes

- None

Transfer Notes

- Lower division courses taken at community colleges 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Legal Studies (B.A. / B.S.)

College of Health and Public Affairs

Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 343

http://www.cohpa.ucf.edu/legalstudies/index.shtml

E-mail: legalstudies@ucf.edu

Dr. David Slaughter

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 those who wish to pursue 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.

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 Public University/Community College System
Students should consult with a departmental advisor.

The courses designated in section 1 below may be taken at a Florida Community College, 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
   - Prefer ENC 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)

   - 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

   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:
     - 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 "C" (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements

   - None

10. Required Minors

    - None
## UCF Degree Programs

### Sophomore Year - Fall
- SPC 1608: Fundamentals of Oral Communication (3 hrs)
- Free Elective (3 hrs)

### Select 1:
- PSC 1121: Physical Science or
- CHM 1020: Concepts in Chemistry (3 hrs)
- Select 1: (3 hrs)
  - EUH 2000: Western Civilization I or
  - HUM 2210: Humanistic Tradition I or
  - AMH 2010: U.S. History: 1492-1877 (3 hrs)

### Junior Year - Fall
- PLA 3014: Law and the Legal System (3 hrs)
- Elective / Minor (3 hrs)

### Select 1:
- PLA 2011: Legal Research (3 hrs)
- Restricted Elective (3 hrs)
- Supporting Elective (3 hrs)

### Junior Year - Spring
- PLA 3155: Legal Writing (3 hrs)
- PLA 3156: Property and Real Estate Law (3 hrs)
- Restricted Elective (3 hrs)
- Restricted Elective (3 hrs)
- Select 1: (3 hrs)
  - EUH 2230: Humanistic Tradition II or
  - AMH 2020: U.S. History: 1877-Present (3 hrs)

### Senior Year - Fall
- 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
- PLA 4335: 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.oias.ucf.edu/al/academic_learning_compacts.htm](http://www.oias.ucf.edu/al/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/

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, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- 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 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)

#### A: Communication Foundations
- Prefer SPC 1608: Fundamentals of Oral Communication (3 hrs)

#### B: Cultural & Historical Foundations
- (9 hrs)

#### C: Mathematical Foundations
- Required CGS 2100C: Computer Fundamentals for Business (3 hrs)
- Required MAC 1140: Pre-Calculus Algebra (3 hrs)

#### D: Social Foundations
- (6 hrs)

### Select 1:
- Required ANT 2000: General Anthropology or
- Required PSY 2012: General Psychology or
- Required SYG 2000: Introduction to Sociology (3 hrs)

### Select 1:
- Required ECO 2013: Principles of Microeconomics (3 hrs)
- Required ECO 2023: Principles of Microeconomics (3 hrs)

#### E: Science Foundations
- (6 hrs)

#### 2. Common Program Prerequisites (CPP)
- Must be completed with a “C” 2.0 or better
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### Required
- CGS 2100C: Computer Fundamentals for Business (3 hrs)
- ACG 2021: Principles of Managerial Accounting (3 hrs)
- CGS 2100C: Computer Fundamentals for Business (3 hrs)
- ECO 2013: Principles of Microeconomics (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)
- MAC 2233: Concepts of Calculus and
- STA 2023: Statistical Methods I (3 hrs)

### 3. Core Requirements: Basic Level

#### None

#### 4. Core Requirements: Advanced Level
- (32 hrs)

First or subsequent semester in the College of Business Administration:

#### 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 Management (4 hrs)

#### Required in 1st or 2nd semester
- 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
- MAN 4240 Organizations: Theory and Behavior and
- MAN 4320 Human Resources Recruitment and Selection and
- MAN 4330 Compensation Administration and
- MAN 4350 Training and Development

**Restricted Elective Courses** 9 hrs
- BUL 4540 Employment Law or
- GEB 3113 How to Start a Business or
- GEB 4110 Business Plan Preparation or
- GEB 4111 New Venture Finance or
- GEB 4435 Moral Foundations of Business or
- Any MAN Course

**Entrepreneurship Track 24 hrs**

**Required Courses** 15 hrs
- GEB 4110 Business Plan Preparation and
- GEB 4111 New Venture Finance and
- MAN 3001 Management of Human Resources and
- MAN 4802 Entrepreneurship

**Select 1:**
- MAR 3391 Professional Selling or
- MAR 3641 Marketing Intelligence

**Restricted Elective Courses** 9 hrs
- BUL 4540 Employment Law or
- GEB 4110 Business Plan Preparation or
- GEB 4111 New Venture Finance or
- GEB 4435 Moral Foundations of Business or
- Any MAN Course

**General Management Track 24 hrs**

**Required Courses** 15 hrs
- MAN 3301 Management of Human Resources and
- MAN 3520 Quality & Productivity Management and
- MAN 4240 Organizations: Theory and Behavior and
- MAN 4441 Conflict Resolution and Negotiation and
- MAN 4701 Business Ethics and Society

**Entrepreneurship Track 24 hrs**

**Required Courses** 15 hrs
- GEB 4110 Business Plan Preparation and
- GEB 4111 New Venture Finance and
- MAN 3001 Management of Human Resources and
- MAN 4802 Entrepreneurship

**Select 1:**
- MAR 3391 Professional Selling or
- MAR 3641 Marketing Intelligence

**Restricted Elective Courses** 9 hrs
- BUL 4540 Employment Law or
- GEB 4110 Business Plan Preparation or
- GEB 4111 New Venture Finance or
- GEB 4435 Moral Foundations of Business or
- Any MAN Course

### 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 3301 Cornerstone: Professional Skills for Business 3 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs

### 7. Foreign Language Requirements

- 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

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded

- **Total Semester Hours Required**
  - 120

### Honors in Major
- None

### Related Programs
- None

### Certificates
- None

### Related Minors
- None

### Advising Notes
- Florida Public Community College 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
- Courses taken at community colleges 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
- ACG 2021 Principles of Financial Accounting may be substituted with: ACG X001 3 hrs
- MAC 1105C Computer Fundamentals for Business 3 hrs
- MAC 1105C Computer Fundamentals for Business may be substituted with: ACG X011 3 hrs

### Plan of Study
- Must complete 9 hours in a summer semester.

### Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 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
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Science 3 hrs
UCF Degree Programs

General Management Track

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junior Year</td>
<td>BUL 3130 Legal and Ethical Environment of Business 4 hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs</td>
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</tr>
<tr>
<td></td>
<td>2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr</td>
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<tr>
<td></td>
<td>MAN 3025 Management of Organizations 4 hrs</td>
<td>MAR 3023 Marketing 4 hrs</td>
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<tr>
<td></td>
<td>MAN 3025 Management of Organizations 4 hrs</td>
<td>MAR 3023 Supply Chain Management 4 hrs</td>
</tr>
<tr>
<td>Senior Year</td>
<td>GEB 3375 Introduction to International Business 4 hrs</td>
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</tr>
<tr>
<td></td>
<td>MAN 3025 Management of Organizations 4 hrs</td>
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<td>MAR 3023 Marketing 4 hrs</td>
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<tr>
<td></td>
<td>Restricted Elective 3 hrs</td>
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<tr>
<td>1 Required in 1st or 2nd semester</td>
<td>Must be taken with GEB 3031</td>
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Entrepreneurship Track

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<th>Year</th>
<th>Fall</th>
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<tbody>
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<td>Junior Year</td>
<td>BUL 3130 Legal and Ethical Environment of Business 4 hrs</td>
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</tr>
<tr>
<td></td>
<td>ECO 3411 Quantitative Business Tools II 4 hrs</td>
<td>FIN 3403C Business Finance 4 hrs</td>
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<td></td>
<td>MAN 4802 Entrepreneurship 3 hrs</td>
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</tr>
<tr>
<td>Senior Year</td>
<td>GEB 4111 New Venture Finance 3 hrs</td>
<td>MAR 3023 Supply Chain Management 4 hrs</td>
</tr>
<tr>
<td></td>
<td>MAN 3301 Management of Human Resources 3 hrs</td>
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<tr>
<td></td>
<td>MAR 3023 Marketing 4 hrs</td>
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<tr>
<td></td>
<td>Restricted Elective 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Select 1:</td>
<td>MAR 3391 Professional Selling or 3 hrs</td>
<td>MAR 3641 Marketing Intelligence 3 hrs</td>
</tr>
<tr>
<td>Senior Year</td>
<td>GEB 4110 Business Plan Preparation 3 hrs</td>
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<tr>
<td></td>
<td>MAN 4720 Strategic Management 4 hrs</td>
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<td></td>
<td>Free Elective 3 hrs</td>
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<td></td>
<td>Restricted Elective 3 hrs</td>
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<tr>
<td></td>
<td>Restricted Elective 3 hrs</td>
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</tbody>
</table>

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

Marketing (B.S.B.A.)

College of Business Administration
Department of Marketing, Business Administration II, Room: 101
http://www.bus.ucf.edu
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, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- 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 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 of school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB
- 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 MAC 1140 Pre-Calculus Algebra 3 hrs
   Required CGS 2100C Computer Fundamentals for Business 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)
   Select one of the following sequences of courses:
      Must be completed with a "C" (2.0) or better
      See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
      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
      ACG 2021 Principles of Financial Accounting 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
4. Core Requirements: Advanced Level (50 hrs)
   First or subsequent semester in the College of Business 32 hrs
   Administration:
      Required Courses 18 hrs
      MAR 3391 Professional Selling 3 hrs
      MAR 3503 Consumer Behavior 3 hrs
      MAR 3613 Marketing Analysis and Research 3 hrs
      MAR 3641 Marketing Intelligence 3 hrs
      MAR 4803 Marketing Management 3 hrs
      MAR 4804 Marketing Strategy 3 hrs
      1 Required in 1st or 2nd semester
   Required Courses 18 hrs
      MAR 3323 Integrated Marketing Communication 3 hrs
      MAR 3403 Sales Force Management 3 hrs
      MAR 3721 Technology Applications in 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 4941 Services Marketing 3 hrs
      MAR 4941 Marketing Internship 3 hrs
      MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
      MAR 4156 International Marketing 3 hrs
      MAR 3765 Entrepreneurial Marketing 3 hrs
   Service section for more information.
   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. Must have earned a grade of B (3.0) or higher in the following to apply:
      MAR 3391 Professional Selling 3 hrs
      ECO 3401 Quantitative Business Tools I 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
      MAN 3023 Marketing 4 hrs
      MAN 3025 Management of Organizations 4 hrs
      FIN 3403C Business Finance 4 hrs
      GEB 3031L Cornerstone Lab: Professional Skills for Business 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
      None
   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, the CLAS and nine hours of Summer credit (if applicable)
   Total Semester Hours Required
      120
   Honors in Major
      None
   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
UCF Degree Programs

Advising Notes

- Florida Public Community College 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

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- 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

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
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<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
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<td>Elective</td>
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<th>Freshman Year - Spring</th>
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<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
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<tr>
<td>MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Art/Music/Lit</td>
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<tr>
<th>Sophomore Year - Fall</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
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<tr>
<td>ACG 2021 Principles of Financial Accounting</td>
<td>3 hrs</td>
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<tr>
<td>Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Psy/Ant/Soc</td>
<td>3 hrs</td>
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<tr>
<td>Elective</td>
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<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
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<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
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<tr>
<td>ECO 3401 Quantitative Business Tools I</td>
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<th>Junior Year - Fall</th>
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<tbody>
<tr>
<td>ENC 3411 Quantitative Business Tools II</td>
<td>4 hrs</td>
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<tr>
<td>GEB 3031 Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
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<td>GEB 3375 Introduction to International Business</td>
<td>4 hrs</td>
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<tr>
<td>MAR 3023 Marketing</td>
<td>4 hrs</td>
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<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>17 hrs</th>
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<tbody>
<tr>
<td>MAR 3931 Professional Selling</td>
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<tr>
<td>BUL 3130 Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3613 Marketing Analysis and Research</td>
<td>3 hrs</td>
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<tr>
<td>FIN 3403C Business Finance</td>
<td>4 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
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<tbody>
<tr>
<td>MAR 4803 Marketing Management</td>
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<tr>
<td>MAN 3025 Management of Organizations</td>
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<tr>
<td>MAR 3641 Marketing Intelligence</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR Elective</td>
<td>3 hrs</td>
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<tr>
<td>MAR 3203 Supply Chain Management</td>
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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

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<tr>
<th>Freshman Year - Fall</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
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<td>3 hrs</td>
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<tr>
<td>Cult-Hist I</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>Art/Music/Lit</td>
<td>3 hrs</td>
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</table>

Sophomore Year - Fall

- 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

- 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

- 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

- 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

- MAR 4803 Marketing Management 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR 3203 Supply Chain Management 4 hrs

Senior Year - Spring

- 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.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term
Mathematics - Applied Track (B.S.)

College of Sciences

Department of Mathematics, MAP, Room: 207

http://math.ucf.edu

E-mail: math@mail.ucf.edu
Dr. J. Brennan, jpbrenna@mail.ucf.edu
407-823-5700

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. 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 Math Department.

■ Co-op or internship credit cannot be used in this major.

■ Students must earn at least a "C" (2.0) in each required course.

■ Students should consult with a departmental advisor.

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

■ All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF.

1. UCF General Education Program (GEP) (38 hrs)

■ Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

■ Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

■ Required COP 3502C Computer Science I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)

Physical Science:

■ Required PHYS 2048C Physics for Engineers & Scientists I 4 hrs

Life & Earth Science: Select one listed course. 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ See Transfer Notes for possible substitutes for some of the following

■ COP 3223 Introduction to Programming with C 3 hrs

■ MAC 2311 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 Differential Equations 3 hrs

■ PHY 2048C Physics for Engineers & Scientists I GEP

■ PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (3 hrs)

■ STA 4321 Statistical Theory I 3 hrs

■ STA 4322 Statistical Theory II 3 hrs

■ MAA 2426 Advanced Calculus I 4 hrs

■ COP 4500 Numerical Calculus 3 hrs

■ MAP 4103 Mathematical Modeling I 3 hrs

Select 1:

■ ENC 3241 Writing for the Technical Professional 3 hrs

■ ENC 3310 Magazine Writing I or

■ ENC 3311 Advanced Expository Writing 3 hrs

Select 1:

■ MAD 4203 Applied Combinatorics or

■ MAP 4153 Vector and Tensor Analysis 3 hrs

5. Restricted Electives (6 hrs)

■ Note: Students must satisfy course prerequisites before enrolling in these courses.

5.a. Applied Elective: 3 hrs

Select 1:

■ COT 4210 Discrete Structures II or

■ COT 4400 Tools for Algorithm Analysis or

■ COT 5507 Computational Methods/Applications or

■ COT 5510 Computational Methods/Linear Systems or

■ EGN 3310 Engineering Analysis-Statics or

■ EGN 3321 Engineering Analysis-Dynamics or

■ EGN 3343 Thermodynamics or

■ EGN 3373 Principles of Electrical Engineering or

■ STA 4102 Computer Processing of Statistical Data or

■ STA 5103 Advanced Computer Processing of Statistical Data or

■ STA 4641 Risk Theory and Decision 3 hrs

5.b. Biological or physical sciences Elective: 3 hrs

Select 1:

■ PCB 3044 Principles of Ecology or

■ PCB 3083 Genetics or

■ PCB 4302C Physiochemical Limnology or

■ PCB 4303C Biological Limnology or

■ CHM 3410 Physical Chemistry I or

■ CHM 2210 Organic Chemistry I or

■ PHY 3101 Physics for Engineers and Scientists III or

■ PHY 3323 Electricity and Magnetism I or

■ PHY 4324 Electricity and Magnetism II or

■ PHY 4424 Optics or

■ PHY 4604 Wave Mechanics I 3 hrs

6. Capstone Requirements

■ None

7. 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, 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 required in the degree program (sections 2-4 above)

■ Participate in an exit interview.

■ Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)
UCF Degree Programs

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Computer Science
- Mathematics Education
- Statistics
- Electrical Engineering
- Mechanical Engineering
- Aerospace Engineering
- Computer Engineering

Certificates
- None

Related Minors
- Computer Science
- Economics
- Physics
- Statistics

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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:
  - Computer Programming course: may use any programming language course with a COP prefix. However knowledge of programming is still required.
  - Physics course: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements:
  - Prior to enrolling in Chemistry, take Chemistry Placement Test
  - Prior to enrolling in your first Math course, take Math Placement Test

Freshman Year - Fall 13 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring 16 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

Sophomore Year - Fall 15 hrs
- PHV 2048C Physics for Engineers & Scientists I 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- GEP 3 hrs

Sophomore Year - Spring 14 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHV 2048C Physics for Engineers and Scientists II 4 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- Free Elective 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- Core Course 3 hrs

Junior Year - Spring 16 hrs
- COP 3502C Computer Science I 3 hrs
- MAA 4402 Introduction to Complex Variables 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs
- Free Elective 3 hrs
- GEP 4 hrs

Senior Year - Fall 16 hrs
- COP 4500 Numerical Calculus 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- STA 4321 Statistical Theory I 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
- MAP 4103 Mathematical Modeling I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Writing Core 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/ad/academic_learning_compacts.htm

Mathematics - Computational Track (B.S.)
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. J. Brennan, jpbrenna@mail.ucf.edu, 407-823-5700
407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. 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.
- 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 must earn at least a "C" (2.0) in each required course.
- 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 who change degree programs and select this major must adopt the most current catalog.
- Program Academic Learning Compacts:
  - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/ad/academic_learning_compacts.htm

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
Required: MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required: COP 3502C Computer Science I 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)
Physical Sciences: Required: PHV 2048C Physics for Engineers & Scientists I 4 hrs
Life Sciences: Select one course listed in GEP E 2 3 hrs

Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- General Education Program (GEP) (38 hrs):
  - Note: Certain courses must be selected for this major, bringing GEP hours above 36
  - 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)
  - Physical Sciences: Required: PHV 2048C Physics for Engineers & Scientists I 4 hrs
  - Life Sciences: Select one course listed in GEP E 2 3 hrs

Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
Required: MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required: COP 3502C Computer Science I 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)
Physical Sciences: Required: PHV 2048C Physics for Engineers & Scientists I 4 hrs
Life Sciences: Select one course listed in GEP E 2 3 hrs

Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
Required: MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required: COP 3502C Computer Science I 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)
Physical Sciences: Required: PHV 2048C Physics for Engineers & Scientists I 4 hrs
Life Sciences: Select one course listed in GEP E 2 3 hrs

Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
Required: MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required: COP 3502C Computer Science I 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)
Physical Sciences: Required: PHV 2048C Physics for Engineers & Scientists I 4 hrs
Life Sciences: Select one course listed in GEP E 2 3 hrs

Note: Certain courses must be selected for this major, bringing GEP hours above 36
2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for some of the following.
  - COP 3223 Introduction to Programming with C 3 hrs
  - MAC 2311 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 Differential Equations 3 hrs
  - PHY 2048C Physics for Engineers & Scientists I GEP
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (3 hrs)
- STA 2023 Statistical Methods I 3 hrs
- MAP 2302 Differential Equations CPP
- PHY 2048C Physics for Engineers & Scientists I GEP/CPP
- PHY 2049C Physics for Engineers and Scientists II CPP
- COP 3502C Computer Science I GEP

4. Core Requirements: Advanced Level (42 hrs)
- ENC 3241 Writing for the Technical Professional 3 hrs
- MAA 4402 Introduction to Complex Variables 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- COP 3903C Computer Science II 4 hrs
- COT 4500 Numerical Calculus 3 hrs

Select 1:
- MHF 3302 Logic and Proof in Mathematics or 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs

Select 1:
- MAP 4103 Mathematical Modeling I or 3 hrs
- MAP 4153 Vector and Tensor Analysis 3 hrs

5. Restricted Electives (18 hrs)
Select 6:
- COP 3402 Systems Software or 3 hrs
- COP 4331C Processes for Object-Oriented Software Development or 4 hrs
- COP 4020 Programming Languages I or 3 hrs
- COP 4600 Operating Systems or 3 hrs
- COT 4210 Discrete Structures II or 3 hrs
- EEL 4768C Computer Architecture or 4 hrs

  any MAA, MAD, MAP, MAS, or MTG upper division courses 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
- Students desiring to complete a double major in both Computer Science and Applied Mathematics must also complete all the requirements of the School of Computer Science. To minimize the total hours taken for both majors, students should select an advanced computer science course for the unrestricted elective.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of C (2.0) or better in each course required in the degree program.
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Hons in Major
- None

Related Programs
- Mathematics - Applied Track
- Computer Science
- Electrical Engineering
- Mathematics Education
- Statistics

Certificates
- None

Related Minors
- Computer Science
- Physics
- Statistics

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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:
  - Computer Programming: may use any programming language course with a COP prefix.
  - Physics: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in your first Math course, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 14 hrs
- GEP 3 hrs
- Free Elective 4 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring 16 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- 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

Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall 15 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Mathematics - Engineering/Physics Track (B.S.)
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. J. Brennan, jpbrenna@mail.ucf.edu. 407-823-5700

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. 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 at the UCF Mathematics Department.
- 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.
- Courses designated in sections 1 (General Education 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:

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36
  - A: Communication Foundations (9 hrs)
  - B: Cultural & Historical Foundations (9 hrs)
  - C: Mathematical Foundations (7 hrs)
    Required: MAC 2311 Calculus with Analytic Geometry I 4 hrs
    Required: COP 3502C Computer Science I 3 hrs
  - D: Social Foundations (6 hrs)
  - E: Science Foundations (7 hrs)
    Physical Sciences (4 hrs)
    Required: PHY 2048C Physics for Engineers & Scientists I 4 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses below.
  - COP 3223 Introduction to Programming with C 3 hrs
  - MAC 2311 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 Differential Equations 3 hrs
  - PHY 2048C Physics for Engineers & Scientists I GEP
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (3 hrs)
  - COP 3502C Computer Science I GEP
  - MAP 2302 Differential Equations CPP
  - PHY 2048C Physics for Engineers & Scientists I GEP/CPP
  - PHY 2049C Physics for Engineers and Scientists II CPP

Select one statistics course:
- STA 3032 Probability and Statistics for Engineers or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

4. Core Requirements: Advanced Level (53 hrs)
  - MAP 4153 Vector and Tensor Analysis 3 hrs
  - MAA 4402 Introduction to Complex Variables 3 hrs
  - MAP 4363 Applied Boundary Value Problems I 3 hrs
  - MAP 4364 Applied Boundary Value Problems II 3 hrs
  - MAA 4226 Advanced Calculus I 4 hrs
  - EGN 3321 Engineering Analysis-Dynamics 3 hrs

Select 1:
- MTH 3002 Logic and Proof in Mathematics or 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs

Select 1:
- MAA 4402 Introduction to Complex Variables 3 hrs
- MAD 3106 Linear Algebra or 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs

Select 1:
- EGN 3310 Engineering Analysis-Statics or 3 hrs
- MAP 3103 Mathematical Modeling I or 3 hrs
- EML 3043C Modeling Methods in Mechanical and Aerospace Engineering or 3 hrs
- PHZ 3151 Computer Methods in Physics 3 hrs

Select 1:
- EGN 3420 Engineering Analysis or 3 hrs
- COT 4500 Numerical Calculus 3 hrs

Select 1:
- MAS 3106 Linear Algebra or 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs

Select 1:
- EGN 3310 Engineering Analysis-Statics or 3 hrs
- PHY 3220 Mechanics I 3 hrs

Select 1:
- EGN 3373 Principles of Electrical Engineering or 3 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1:
- CHM 2046 Chemistry Fundamentals II or 3 hrs
- Or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above

 Select 1:
- EGN 3358 Thermo-Fluids-Heat Transfer or 3 hrs
- PHY 3513 Thermal and Statistical Physics or 3 hrs
- Or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above

Select 1:
- EML 3701 Fluid Mechanics I or 3 hrs
- CWR 3001 Engineering Fluid Mechanics or 3 hrs
- 1 PHY 3101 Physics for Engineers and Scientists III or 3 hrs
- ESI 4628C Industrial Engineering Applications of Computers or 3 hrs
- PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs

Select 1:
- EGN 3331 Mechanics of Materials or 3 hrs
- CHM 2046 Chemistry Fundamentals II or 3 hrs
- ESI 4312 Operations Research or 3 hrs
- EGM 3601 Solid Mechanics or 3 hrs
- EML 4220 Vibration Analysis or 3 hrs
- EEL 3004 Electrical Networks or 3 hrs
- PHY 4604 Wave Mechanics I or 3 hrs
Or any MAA, MAD, MAP, or MAS course at 3000 level or above 3 hrs

Select 1: 6 hrs
- CES 4100C Structural Analysis I and Lab or 4 hrs
- EGN 3331 Mechanics of Materials or 3 hrs
- EIN 3001 Introduction to Industrial Engineering and Management Systems or 3 hrs
- EAS 3101 Fundamentals of Aerodynamics or 3 hrs
- EGM 3601 Solid Mechanics or 3 hrs
- EEL 3004 Electrical Networks or 3 hrs
- or any PHY, AST, PHZ, MAA, MAD, MAP, or MAS course at 3000 level or above 3 hrs

1 (PHY 3101 may be selected only if EGN 3373 is also taken)

5. Restricted Electives (6 hrs)
Select 2: 6 hrs
- STA 4321 Statistical Theory I or 3 hrs
- STA 4322 Statistical Theory II or 3 hrs
- PHY 3323 Electricity and Magnetism I or 3 hrs
- PHY 4324 Electricity and Magnetism II or 3 hrs
- EGN 3365 Structure and Properties of Materials or 3 hrs
- EGN 3613 Engineering Economic Analysis or 2 hrs
- EEE 3342C Digital Systems or 3 hrs
- EEL 3801C Computer Organization or 3 hrs
- EEL 3677 Linear Control Systems or 3 hrs
- EML 4142 Heat Transfer or 3 hrs
- EML 4312C Feedback Control or 3 hrs
- EML 3262 Kinematics of Mechanisms or 3 hrs
- EAS 4200 Flight Structures or 3 hrs
- EAS 4400 Spacecraft Attitude Dynamics or 3 hrs
- EAS 4505 Orbital Mechanics or 3 hrs
- EAS 4105 Flight Mechanics or 3 hrs
- EML 4703 Fluid Mechanics II or 3 hrs
- EMA 4223 Fundamentals of Mechanical Behavior of Materials or 3 hrs
- CWR 4203C Hydraulics or 3 hrs
- CWR 4101C Hydrology or 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
- ESI 4234 Quality Engineering or 3 hrs
- ESI 4235C Systems Simulation or 3 hrs
- EIN 4333 Production and Distribution Systems or 3 hrs
- EEL 3470 Electromagnetic Fields or 3 hrs
- EEL 3352C Analog and Digital Communication 4 hrs
- EEL 4750 Fundamentals of Signal Processing Fundamentals or 3 hrs
- EEL 4742C Embedded Systems or 4 hrs
- EEL 4832 Engineering Applications of Computer Methods or 3 hrs
- EEL 4851C Engineering Data Structures or 4 hrs
- Or any MAA, MAD, MAP, or MAS course at 3000 level or above 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Students desiring a double major in Engineering or Physics and Mathematics must also complete all requirements of both majors. Students should select electives which satisfy both majors simultaneously when possible.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each course required in the degree program (sections 2-5 above).
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Hons In Major
- None

Related Programs
- Mathematics - Applied Track
- Computer Science
- Civil Engineering
- Electrical Engineering
- Aerospace Engineering
- Mechanical Engineering
- Physics
- Mathematics Education
- Statistics

Certificates
- None

Related Minors
- Computer Science
- Physics
- Statistics

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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:
  - Computer Programming: may use any programming language course with a COP prefix to satisfy the CPP.
  - Physics: may use any PHY, CHM or BSC course with a lab designed for science majors to satisfy the CPP; however, these 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.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

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<thead>
<tr>
<th>Plan of Study</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Freshman Year</td>
<td>13 hrs</td>
<td>16 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
<td>3 hrs</td>
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<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
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<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>PHY 2049C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>Sophomore Year</td>
<td>14 hrs</td>
<td>16 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
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</tr>
<tr>
<td>PHY 2049C Physics for Engineers &amp; Scientists II</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
</tbody>
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Undergraduate Catalog 2011-2012
UCF Degree Programs

Mathematics - Mathematical Economics Track
(B.S.)
College of Sciences
Department of Mathematics, Math and Physics,
Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. J. Brennan, jpbrenna@mail.ucf.edu
407-823-5700

The Mathematics - Mathematical Economics track is designed for students who wish to earn a B.S. degree in Mathematics with an emphasis in Economics. This interdisciplinary program is carefully structured so that a student has an opportunity to develop mathematical skills that can be applied to problems in economic theory and quantitative analysis. These critical thinking and analytical skills will be useful as preparation for graduate study and careers in a variety of fields.

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 and Economics Departments.
- 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.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students should consult with the major advisors for the Department of Mathematics and Economics.
- All mathematics courses, except the following, must either be taken from or approved by the Department of Mathematics at UCF.
- MAC 2311 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 2202 Differential Equations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)

- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2203 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

- Select 1: 3 hrs
- Required ECO 2013 Principles of Macroeconomics 3 hrs
- Required ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs

- Suggested PSY 2040 General Psychology 3 hrs
- Suggested SYG 2000 Introduction to Sociology 3 hrs
- Suggested ANT 2000 General Anthropology 3 hrs

E: Science Foundations (7 hrs)

1. Physical or Life Science designed for majors. (4 hrs)

- Required BSC 2007C Principles of Life Science 4 hrs

2. Remaining Science Requirement (3 hrs)

- Complete the section of the Science GEP not yet taken. 3 hrs

2. Common Program Prerequisites (CPP) (14 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes.
- COP 1001 Introduction to Programming with C 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP 4 hrs
- MAC 2312 Calculus with Analytic Geometry II GEP 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 hrs

Select a science course designed for majors: (4 hrs)

- Required BSC 2010C Biology I or 4 hrs
- Required CHM 2045C Chemistry Fundamentals I or 4 hrs
- Required PHY 2046C Physics for Engineers & Scientists I 4 hrs

3. Core Requirements: Basic Level (26 hrs)

- eco 2013 Principles of Microeconomics 3 hrs
- eco 2023 Principles of Macroeconomics 3 hrs
- MAF 3302 Logic and Proof in Mathematics 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- STA 4321 Statistical Theory I 3 hrs
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3102 Intermediate Macroeconomics 3 hrs
- ECO 4451 Research Methods in Economics 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Remaining Science Sequence

- Complete the science sequence started in the Common Program Prerequisites.

- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- or
- CHM 2046 Chemistry Fundamentals II 3 hrs
- or
- BSC 2011B Biology II 4 hrs

4. Core Requirements: Advanced Level (17 hrs)

- MAC 4136 Advanced Calculus 4 hrs
- MAS 3106 Linear Algebra 4 hrs
- MAP 4104 Mathematical Modeling I 3 hrs
- ECO 3419 Mathematical Economics 3 hrs
- ECO 4412 Econometrics 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeeas.ucf.edu/alc/academic_learning_compacts.htm
5. Restricted Electives (18 hrs)
- Select three courses from each of the following two areas:
  
  **Area 1** (9 hrs)
  - COT 4500 Numerical Calculus 3 hrs
  - MAD 4203 Applied Combinatorics 3 hrs
  - MAP 4363 Applied Boundary Value Problems I 3 hrs
  - MAP 4113 Probability, Random Processes and Applications I 3 hrs
  - MAA 4402 Introduction to Complex Variables 3 hrs
  
  **Area 2** (9 hrs)
  - ECO 3703 International Microeconomics 3 hrs
  - ECO 4713 International Macroeconomics 3 hrs
  - ECO 4504 Public Economics 3 hrs
  - ECP 4403 Industrial Organization and Game Theory 3 hrs
  - ECP 4303 Environmental and Natural Resource Economics 3 hrs
  - STA 4322 Statistical Theory II 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
- 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 earn a grade of "C" (2.0) or better in each course applied towards the major as well as a 2.0 overall average.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Mathematics - Applied Track
- Statistics

Certificates
- None

Related Minors
- Statistics
- Computer Science
- Economics
- Mathematics

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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.

Acceptable Substitutes for Transfer Courses
- Substitutes for common program prerequisites if taken prior to transferring to UCF.
- Computer Programming: may use any programming language course with a COP prefix.

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** (16 hrs)
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs

**Freshman Year - Spring** (16 hrs)
- ECO 2023 Principles of Microeconomics 3 hrs
- 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

**Sophomore Year - Fall** (15 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- GEP 4 hrs

**Sophomore Year - Spring** (16 hrs)
- ECO 3101 Intermediate Microeconomics 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- GEP 3 hrs
- Core Course 4 hrs

**Junior Year - Fall** (15 hrs)
- ECO 3203 Intermediate Macroeconomics 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- Free Elective 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

**Junior Year - Spring** (15 hrs)
- MAP 4103 Mathematical Modeling I 3 hrs
- ECO 3410 Mathematical Economics 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restrictive Elective 3 hrs

**Senior Year - Fall** (15 hrs)
- ECO 4412 Econometrics 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Spring** (15 hrs)
- ECO 4451 Research Methods in Economics 3 hrs
- Free Elective 3 hrs
- Free Elective 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.oeas.ucf.edu/alc/academic_learning_comacts.htm

Mathematics - Pure Track (B.S.)

College of Sciences
Department of Mathematics, Math and Physics,
Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. J. Brennan, jjbrennan@mail.ucf.edu, 407-823-5700

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

Admission Requirements
- None
UCF Degree Programs

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 required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- 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 2311: Calculus with Analytic Geometry I
  - MAC 2312: Calculus with Analytic Geometry II
  - MAC 2313: Calculus with Analytic Geometry III
  - MAP 2302: Differential Equations

1. UCF General Education Program (GEP) (38 hrs)
- (Note: Certain courses must be selected for this major, bringing GEP hours above 36)
  - A: Communication Foundations (9 hrs)
  - B: Cultural & Historical Foundations (9 hrs)
  - C: Mathematical Foundations (7 hrs)
    - Required: MAC 2311: Calculus with Analytic Geometry I (4 hrs)
    - Required: COP 3502C: Computer Science I (3 hrs)
  - D: Social Foundations (6 hrs)
  - E: Science Foundations (7 hrs)
    - Required: PHY 2048C: Physics for Engineers & Scientists I (4 hrs)
    - Required: PHY 2049C: Physics for Engineers and Scientists II (4 hrs)
  - E.1. Physical Sciences (4 hrs)
    - Required: PHY 2048C: Physics for Engineers & Scientists I (4 hrs)
    - Required: PHY 2049C: Physics for Engineers and Scientists II (4 hrs)
  - E.2. Life & Earth Sciences: (3 hrs)
    - Select a listed course

2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutions of certain courses.
  - COP 3223: Introduction to Programming with C (3 hrs)
  - MAC 2311: Calculus with Analytic Geometry I (GEP) (4 hrs)
  - MAC 2312: Calculus with Analytic Geometry II (4 hrs)
  - MAC 2313: Calculus with Analytic Geometry III (4 hrs)
  - MAP 2302: Differential Equations (3 hrs)
  - PHY 2048C: Physics for Engineers & Scientists I (GEP) (4 hrs)
  - PHY 2049C: Physics for Engineers and Scientists II (4 hrs)

3. Core Requirements: Basic Level (3 hrs)
  - STA 2023: Statistical Methods I (3 hrs)
  - MAP 2302: Differential Equations (COP) (3 hrs)
  - PHY 2048C: Physics for Engineers & Scientists I (GEP/CPP) (3 hrs)
  - PHY 2049C: Physics for Engineers and Scientists II (COP) (3 hrs)

4. Core Requirements: Advanced Level (42 hrs)
  - MGF 3302: Logic and Proof in Mathematics (3 hrs)
  - MAS 3105: Matrix and Linear Algebra (4 hrs)
  - MAS 3106: Linear Algebra (4 hrs)
  - MAP 4363: Applied Boundary Value Problems I (3 hrs)
  - STA 4321: Statistical Theory I (3 hrs)
  - STA 4322: Statistical Theory II (3 hrs)
  - MAS 4301: Abstract Algebra I (3 hrs)
  - COP 3502C: Computer Science I (GEP) (4 hrs)
  - MAA 4226: Advanced Calculus I (4 hrs)
  - MAA 4227: Advanced Calculus II (3 hrs)
  - MAD 4203: Advanced Combinatorics (3 hrs)
  - MTG 4302: Introduction to Topology (3 hrs)
  - MAA 4402: Introduction to Complex Variables (3 hrs)

Select one:
- ENC 3241: Writing for the Technical Professional (3 hrs)
- ENC 3310: Magazine Writing I or II (3 hrs)
- ENC 3311: Advanced Expository Writing (3 hrs)

5. Restricted Electives (3 hrs)
- Biological or physical sciences electives (3 hrs)

Select one of the following courses; (3 hrs)
- PCB 3044: Principles of Ecology or
- PCB 3063: Genetics or
- PCB 4302C: Physiochemical Limnology or
- PCB 4303C: Biological Limnology or
- CHM 2046: Chemistry Fundamentals II or
- CHM 2210: Organic Chemistry I or
- PHY 3101: Physics for Engineers and Scientists III or
- PHY 3323: Electricity and Magnetism I or
- PHY 4424: Optics (3 hrs)

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- None

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 required in the degree program.
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Statistics
- Mathematics - Applied Track
- Mathematics - Mathematical Economics Track
- Computer Science

Certificates
- None

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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.
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 at:
http://chemplacement.sdes.ucf.edu

Prior to enrolling in Math, take Math Placement Test at:
http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 13 hrs
GEP 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring 16 hrs
GEP 3 hrs
GEP 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MTH 3302 Logic and Proof in Mathematics 3 hrs
Free Elective 3 hrs

Sophomore Year - Fall 15 hrs
GEP 3 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
MAA 3105 Matrix and Linear Algebra 4 hrs

Sophomore Year - Spring 14 hrs
GEP 3 hrs
MAP 2302 Differential Equations 3 hrs
MAS 3106 Linear Algebra 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall 15 hrs
COP 3223 Introduction to Programming with C 3 hrs
MAP 4301 Abstract Algebra I 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs

Junior Year - Spring 16 hrs
MAA 4402 Introduction to Complex Variables 3 hrs
Restricted Elective 4 hrs
Free Elective 3 hrs
Free Elective 4 hrs
COP 3502C Computer Science I 3 hrs

Senior Year - Fall 16 hrs
GEP 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
MAA 4226 Advanced Calculus I 4 hrs
MAD 4301 Applied Combinatorics 3 hrs
STA 4321 Statistical Theory I 3 hrs

Senior Year - Spring 16 hrs
GEP 3 hrs
MAA 4227 Advanced Calculus II 3 hrs
MTG 4302 Introduction to Topology 3 hrs
STA 4322 Statistical Theory II 3 hrs
Free Elective 4 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/aac/academic_learning_compacts.htm

Mathematics Education (B.S.)

College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/mathed

Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Dr. Erhan Haciomeroglu, ED 115L, erhanhs@mail.ucf.edu, 407-823-4336

Admission Requirements

Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
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. (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 2010 U.S. History: 1877-Present 3 hrs
Prefer AMH 2010 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
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Prefer PSC 1608 American National Government 3 hrs
Prefer PSY 2010 General Psychology 3 hrs

E: Science Foundations (6 hrs)
Prefer PSC 1608 Physical Science 3 hrs
Select 1: 3 hrs
Prefer ANT 2511 The Human Species or 3 hrs
Prefer ECO 2010 Principles of Economics 3 hrs
Prefer BSC 1055 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)

Students should see “Common Prerequisites in the Transfer and Transitions Services section for more information.

Take all of the following: 9 hrs
EDF 2085 Introduction to the Teaching Profession and 3 hrs
EDF 2085 Introduction to Diversity for Educators and 3 hrs
EDF 2133 Introduction to Technology for Educators 3 hrs

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 (14 hrs)

Students should consult advisor regarding course options.

MAC 2311 Calculus with Analytic Geometry I GEP
STA 2023 Statistical Methods I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
6. Capstone Requirements

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 in Schools.

5. Restricted Electives

At the preprofessional level in accordance with State Board of Education requirements, demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

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.

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, the CLAS and nine hours of Summer credit (if applicable)

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

MAC 2311 Calculus with Analytic Geometry I 4 hrs

ENG 1101 Composition I 3 hrs

ENG 1102 Composition II 3 hrs

Red 4043 Internship 3 hrs

Freshman Year - Spring

MAC 2312 Calculus with Analytic Geometry II 4 hrs

ENG 1101 Composition I 3 hrs

ENG 1102 Composition II 3 hrs

Freshman Year - Summer

MAC 2313 Calculus with Analytic Geometry III 4 hrs

Eng 1101 Composition I 3 hrs

Eng 1102 Composition II 3 hrs

Sophomore Year - Fall

EDF 2005 Introduction to the Teaching Profession 3 hrs

MAP 3302 Differential Equations 3 hrs

MTH 3302 Logic and Proof in Mathematics 3hrs

POS 2041 American National Government 3 hrs

STA 2023 Statistical Methods I 3 hrs

Studying abroad is recommended prior to entry into Internship II.

Application and deadlines are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

Specialization Requirements

A grade of "C-" (1.75) or better is required.

MAS 3105 Matrix and Linear Algebra 4 hrs

POS 2041 American National Government 3 hrs

MTG 4212 Modern Geometries 4 hrs

STA 4163 Statistical Methods II 3 hrs

MAE 4360 Mathematics Instructional Analysis 4 hrs

MAE 4634 Programs in Teaching of Mathematics 3 hrs

MAE 3940 Internship 3 hrs

MAE 4941 Internship 12 hrs

EDG 4410 Teaching Strategies and Classroom Management 3 hrs

EDF 4467 Learning Theory and Assessment 3 hrs

EED 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

TSL 4080 Theory and Practice of Teaching ESOL in Schools 3 hrs

EDF 4467 Learning Theory and Assessment 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/

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.education.ucf.edu/clinicalexp/

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

■ Completion of EDG 4410 Teaching Strategies and Classroom Management 3 hrs

■ Completion of EDF 4467 Learning Theory and Assessment 3 hrs

■ Completion of RED 4043 Content Reading Kindergarten through Grade 12 3 hrs

■ Remediation at UCF is required in the professional, specialization and overall for admission to Internship II.

Students in Schools.
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oecs.ucf.edu/alic/academic_learning_compacts.htm

Mechanical Engineering (B.S.M.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137
Waheedah Issar, willasar@mail.ucf.edu, 407-823-5448
407-823-2416

Admission Requirements
- None

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 State University/ Community College Systems 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:
  - Prefer SPC 1603 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 course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Prefer ECO 2013 Principles of Macroeconomics 3 hrs
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Select one course from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 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 2311 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 Differential Equations 3 hrs
  - 1 PHY 2048C Physics for Engineers & Scientists I GEP
  - 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs
  - 1 CHM 1440 Fundamentals of Chemistry for Engineers 4 hrs
  - 1 CHM 2045C General Chemistry I 4 hrs
  - 2 CHM 2040 Chemistry Fundamentals IA or 3 hrs
  - 3 CHM 2041 Chemistry Fundamentals IB 3 hrs

3. Core Requirements: Basic (2 hrs)
- Required Courses: Basic
  - 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
  - EGN 3310 Engineering Analysis-Statics 3 hrs
  - EGN 3321 Engineering Analysis-Dynamics 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
  - EML 4312C Feedback Control 3 hrs
  - EML 3500 Machine Design and Analysis 3 hrs
  - EGM 3601 Solid Mechanics 3 hrs
  - EML 3701 Fluid Mechanics I 3 hrs
  - EML 4142 Heat Transfer 3 hrs
  - EML 4220 Vibration Analysis 3 hrs
  - EML 4535C CAD/CAM 3 hrs
- Select one of the following three options for your senior year to complete your BSME:
### UCF Degree Programs

#### Energy Systems Option
- **EML 3101** Thermodynamics of Mechanical Systems and
- **EML 4304C** Design of Thermo-Fluid Experiment and
- **EML 4703** Fluid Mechanics II and
- **EML 4145** Topics in Heat Transfer and
- **EML 4221C** Mechanical Systems Experimental Techniques and

**Approved Electives** 9 hrs

#### Mechanical Systems Option
- **EML 4304C** Design of Thermo-Fluid Experiment and
- **EML 3622** Kinematics of Materials and
- **EGM 3601L** Solid Mechanics Lab and
- **EML 4221C** Mechanical Systems Experimental Techniques and

**Approved Electives** 12 hrs

#### Materials Option
- **EMA 3012C** Experimental Techniques in Mechanics and Materials
- **EMA 4102** Thermodynamics and Kinetics of Materials and
- **EMA 3124** Design and Selection of Materials and
- **EMA 4223** Fundamentals of Mechanical Behavior of Materials and

**Approved Electives** 9 hrs

#### 5. Restricted Electives
- 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 technical electives and the terms when specific courses of this type are to be offered. [http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf](http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf)

#### 6. Capstone Requirements
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- **Select 1:**
  - **EML 4501C** Engineering Design I or
  - **EGN 4412C** Interdisciplinary Design I

**Select 1:**
- **EML 4502C** Engineering Design II or
- **EGN 4413C** Interdisciplinary Design II

**Select 2:**
- **EML 4503C** Engineering Design III or
- **EGN 4414C** Interdisciplinary Design III

#### 7. Foreign Language Requirements
- 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 technical electives and the terms when specific courses of this type are to be offered. [http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf](http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf)

#### 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.

**Mechanical Systems Option:**

**Freshman Year - Fall**
- EGN 1006C  Introduction to the Engineering Profession 1 hr
- ENC 1101  Composition I 4 hrs
- MAC 2311  Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs

**Select 1:**
- CHS 1440  Fundamentals of Chemistry for Engineers 4 hrs
- CMH 2045C  Chemistry Fundamentals I or
- CMU 2040  Chemistry Fundamentals IA 3 hrs

**Sophomore Year - Fall**
- EGN 1007C  Introduction to the Engineering Profession 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**
- MAC 2313  Calculus with Analytic Geometry III 4 hrs
- GEP 3 hrs

**Sophomore Year - Fall**
- EGN 3321  Engineering Analysis-Dynamics 3 hrs
- EGN 3334  Thermodynamics 3 hrs
- EGN 3601  Solid Mechanics 3 hrs
- EGN 3373  Principles of Electrical Engineering 3 hrs

**Sophomore Year - Summer**
- EGN 3385  Structure and Properties of Materials 3 hrs
- GEP 3 hrs

**Related Programs**
- Aerospace Engineering
**Certificates**
- None
**Related Minors**
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
**Advising Notes**
- Double Degree/Dual 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 0 hrs
- Admitting I
- EML 4991  Mechanical Career and Academic Faculty 0 hrs
- Admitting II
**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 Community Colleges 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
**Advising Requirements**
- None
**Graduation Requirements**
- None
**Electives**
- None
**Additional Requirements**
- None
**Required Minors**
- None

### Undergraduate Catalog 2011-2012

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### UCF Degree Programs

#### Burnett School of Biomedical Sciences
**Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**

**http://www.biomed.ucf.edu**

Dr. P.E. Kolattukudy, Chair
Dorilyn Hitchcock, Program Director, hitchcock@mail.ucf.edu
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.
- 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).
- 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 Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at any Florida State University/Community College System. Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, 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.
- 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.
- 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).
- 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 Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at any Florida State University/Community College System. Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, 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.
- 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.
- 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).
- 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 Public University/Community College System.
- Students should consult with a departmental advisor.
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- The courses designated in sections 1 and 2 below may be taken at a Florida community college, 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.
- 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.
- 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).
- 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 Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at any Florida State University/Community College System. Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, 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.
- 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.
- 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).
- 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 Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at any Florida State University/Community College System. Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, 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.
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 Human Anatomy 4 hrs
- 3733C
- 1 MCB General Microbiology 5 hrs
- 3020C
- 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 3200C 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 2 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 4460C Clinical Pathogenic Microbiology 5 hrs
- MLS 3334 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 4830C Interpretive & Practical Clinical Chemistry 4 hrs
- MLS 4831C Interpretive & Practical Immunohematology 4 hrs
- MLS 4832C Interpretive & Practical Hematology 4 hrs
- MLS 4833C Diagnostic Microbiology 4 hrs
- CGS 1060C Introduction to Computer Science 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, the CLAS and nine hours of Summer credit (if applicable)

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) 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
- SPA 1005C Fundamentals of Oral Communication 3 hrs
- POS 2041 General Psychology 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

- ELH 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
Modern Language Combination (B.A.)

Department of Modern Languages and Literatures, Colbourn Hall, Room: 523

http://www.mll.ah.ucf.edu/

E-mail: forlang@mail.ucf.edu

Dr. Paul Giordano, 407-823-2472

Placement in Language courses: Placement in language courses is based on one year of high school language being equivalent to one semester of college work. Students must consult an advisor. Native speakers or students who have received advanced education abroad must substitute select classes.

Admission Requirements

None

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Language combinations may consist of French, German or Spanish as a first language and any of those three as a second language, as well as Italian.

24 credits in the first language and 15 credits in the second must be taken at the 3000 level or above.

At least 33 credit hours must be taken in Modern Language courses taught in the target language.

Students must earn at least a “C” (2.0) in each upper division foreign language course.

Co-op or internship credit cannot be used in this major.

Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

Part-Time Student: $39 per term

Full-Time Student: $78 per term

Language credit by exam will not be given in courses lower in level than those in which credit by Examination in literature courses only.

Students must see their departmental advisor for counseling and schedule approval before registering.

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)

1 Required MGF 1106 Finite Mathematics 3 hrs

Select 1:

Prefer CGS 1060C Introduction to Computer Science or
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

Completion of intermediate level of proficiency.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level (39 hrs)

First Language (French, German or Spanish) 24 hrs

Composition (Select One) 3 hrs

1 SPN 3420 Spanish Composition or
1 FRE 3420 French Composition or
1 FOL 3730 Romance Philology or
1 GER 3420 Intensive German Composition 3 hrs

Oral Communication (Select One) 3 hrs

1 SPN 3760 Advanced Spanish Oral Communication or
1 FRE 3760 Advanced French Oral Communication or
1 FRE 4421 Advanced French Conversation or
1 GER 3760 Advanced German Oral Communication 3 hrs

Literature (select one sequence)

SPW 3100 Survey of Latin-American Literature I 3 hrs

or

SPW 3130 Survey of Latin-American Literature I and
SPW 3131 Survey of Latin-American Literature II 3 hrs

or

FRW 3100 Survey of French Literature I and
FRW 3101 Survey of French Literature II 3 hrs

or

GEW 3101 Survey of German Literature I and
GEW 3100 Survey of German Literature I 3 hrs

1 A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.

Second Language (French, German, or Spanish) 15 hrs

Communication (Select One) 3 hrs

SPN 3420 Spanish Composition or
FRE 3420 French Composition or
GER 3420 Intensive German Composition or
ITA 3420 Italian Composition 3 hrs

Advanced Oral Communication (select one) 3 hrs

SPN 3760 Advanced Spanish Oral Communication or
FRE 3760 Advanced French Oral Communication or
GER 3760 Advanced German Oral Communication or
ITA 3760 Advanced Italian Oral Communication 3 hrs

UCF Degree Programs

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.

Language combinations may consist of French, German or Spanish as a first language and any of those three as a second language, as well as Italian.

24 credits in the first language and 15 credits in the second must be taken at the 3000 level or above.

At least 33 credit hours must be taken in Modern Language courses taught in the target language.

Students must earn at least a “C” (2.0) in each upper division foreign language course.

Co-op or internship credit cannot be used in this major.

Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.

Program Academic Learning Compacts 3 hrs

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

Part-Time Student: $39 per term

Full-Time Student: $78 per term

Language credit by exam will not be given in courses lower in level than those in which credit by Examination in literature courses only.

Students must see their departmental advisor for counseling and schedule approval before registering.

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 3 hrs

B: Cultural & Historical Foundations 3 hrs

C: Mathematical Foundations 6 hrs

1 Required MGF 1106 Finite Mathematics 3 hrs

Select 1:

Prefer CGS 1060C Introduction to Computer Science or
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (may substitute a higher level math)

D: Social Foundations 6 hrs

E: Science Foundations 6 hrs

2. Common Program Prerequisites (CPP)

Completion of intermediate level of proficiency.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level (39 hrs)

First Language (French, German or Spanish) 24 hrs

Composition (Select One) 3 hrs

1 SPN 3420 Spanish Composition or
1 FRE 3420 French Composition or
1 FOL 3730 Romance Philology or
1 GER 3420 Intensive German Composition 3 hrs

Oral Communication (Select One) 3 hrs

1 SPN 3760 Advanced Spanish Oral Communication or
1 FRE 3760 Advanced French Oral Communication or
1 FRE 4421 Advanced French Conversation or
1 GER 3760 Advanced German Oral Communication 3 hrs

Literature (select one sequence)

SPW 3100 Survey of Latin-American Literature I 3 hrs

or

SPW 3130 Survey of Latin-American Literature I and
SPW 3131 Survey of Latin-American Literature II 3 hrs

or

FRW 3100 Survey of French Literature I and
FRW 3101 Survey of French Literature II 3 hrs

or

GEW 3101 Survey of German Literature I and
GEW 3100 Survey of German Literature I 3 hrs

1 A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.

Second Language (French, German, or Spanish) 15 hrs

Communication (Select One) 3 hrs

SPN 3420 Spanish Composition or
FRE 3420 French Composition or
GER 3420 Intensive German Composition or
ITA 3420 Italian Composition 3 hrs

Advanced Oral Communication (select one) 3 hrs

SPN 3760 Advanced Spanish Oral Communication or
FRE 3760 Advanced French Oral Communication or
GER 3760 Advanced German Oral Communication or
ITA 3760 Advanced Italian Oral Communication 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2011-2012
5. Restricted Electives
Restricted Electives in the First Language 9 hrs
- chosen with departmental advisor

Restricted Electives in the Second Language 9 hrs
- chosen with departmental advisor

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by Graduation requirements.

Graduation
- Met by degree program requirements (four semesters or proficiency).

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 39 hrs of upper division Modern Language courses
- Students are required to satisfactorily complete a departmental exit exam (primary track)
- Computer Competency met by the following:
  - CGS 1060C Introduction to Computer Science 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- French
- Spanish

Certificates
- None

Related Minors
- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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
Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- CPP 4 hrs

1 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 - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- CPP 4 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- CPP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- FRE 1120C Elementary French Language and Civilization I 4 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Sophomore Year - Spring 15 hrs
- GEP 3 hrs
- CPP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- FRE 1121C Elementary French Language and Civilization II 4 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Junior Year - Fall 15 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- FRE 2200 Intermediate French Language and Civilization I 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Junior Year - Spring 15 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Senior Year - Fall 15 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Senior Year - Spring 12 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.
Music (B.A.)
College of Arts and Humanities
Department of Music, Performing Arts Center,
Room: M203
http://www.music.cah.ucf.edu
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Admission Requirements
- Each student must either complete an audition that demonstrates satisfactory proficiency or pass an interview with the Academic Advisor.
- 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.
- Each student must complete a faculty approved capstone project.
- Students should consult with a departmental advisor for course selections
- Courses designated in 1 (General Education Program) are usually completed in the first 60 hours
- 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)
   - 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)
     - Prefer MGF 1106 Finite Mathematics 3 hrs
     - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   - (may substitute a higher level math)

D: Social Foundations (6 hrs)
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.
   - MUS 1010 Music Forum 0 hrs
   - MUL 2014 Introduction to Music History and Literature I 3 hrs
   - MUS 2360C Introduction to Music Technology 3 hrs

3. Core Requirements: Basic Level (6 hrs)
   - MUS 1010 Music Forum 0 hrs
   - MUL 2014 Introduction to Music History and Literature I 3 hrs
   - MUS 2360C Introduction to Music Technology 3 hrs
   - (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.
   - Electives
     - Select primarily from upper-level courses
   - 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, the CLAS and nine hours of Summer credit (if applicable)
   - Total Semester Hours Required
     - 120

Honor In Major
- None

Related Programs
- Music Education
- Theatre
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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
UCF Degree Programs

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
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicanship 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
- MVX 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 Musicanship 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
- MVX 141X Performance I 2 hrs

Sophomore Year - Fall 16 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- STA 1060C 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 Musicanship IV 4 hrs
- MVK 2121 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- MGF 1106 Finite Mathematics 3 hrs
- MUN XXXX Ensemble 1 hr
- XXX 1121 Foreign Language 4 hrs

Junior Year - Fall 15 hrs
- MLH 3211 Music History and Literature I 3 hrs
- GEP B.2. Cultural & Historical Foundation 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
- MLH 3212 Music History and Literature II 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 490D 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.oes.ucf.edu/al/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, Colbourn Hall, Room: 205
http://www.music.cah.ucf.edu
E-mail: musicaud@mail.ucf.edu
J. Rupert, jrupert@mail.ucf.edu, 407-823-5411
Kirk Gay, kgay@mail.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/admissionsaudition.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 Class Piano III
  - Completion of MUT 2127, Music Theory and Musicanship 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 prerequisite 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.

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
- Communication

Take all of the following:
- 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)
- 1 Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (may substitute a higher level math)

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 Musicanship I 4 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
### Jazz Guitar
- 15 hrs
  - 3 hrs: Select 1
  - 1 hr: Class Piano I
  - 1 hr: Class Piano II
  - 1 hr: Class Piano III
  - 1 hr: Class Piano IV

### Jazz Bass
- 15 hrs
  - 3 hrs: Select 1
  - 1 hr: Class Piano I
  - 1 hr: Class Piano II
  - 1 hr: Class Piano III
  - 1 hr: Class Piano IV

### Jazz Piano
- 15 hrs
  - 3 hrs: Select 1
  - 1 hr: Class Piano I
  - 1 hr: Class Piano II
  - 1 hr: Class Piano III
  - 1 hr: Class Piano IV

### Trombone
- 15 hrs
  - 3 hrs: Select 1
  - 1 hr: Class Piano I
  - 1 hr: Class Piano II
  - 1 hr: Class Piano III
  - 1 hr: Class Piano IV

### Trumpet
- 15 hrs
  - 3 hrs: Select 1
  - 1 hr: Class Piano I
  - 1 hr: Class Piano II
  - 1 hr: Class Piano III
  - 1 hr: Class Piano IV

### Specialty Requirements (Choose one):
- 27 hrs
  - All courses are taken for two semesters each except restricted elective courses.

#### Trumpet
- 15 hrs
  - MV 1411: Trumpet I and
  - MV 1421: Trumpet II and
  - MV 1431: Trumpet III and
  - MV 1441: Trumpet IV and
  - Restricted Electives

#### Trombone
- 15 hrs
  - MVX 141X: Performance I

#### Saxophone
- 15 hrs
  - MW 1415: Saxophone I and
  - MW 2425: Saxophone II and
  - MW 3435: Saxophone III and
  - MW 4445: Saxophone IV and
  - Restricted Electives

#### Jazz Piano
- 15 hrs
  - MVJ 1010: Jazz Piano I and
  - MVJ 2220: Jazz Piano II and
  - MVJ 3230: Jazz Piano III and
  - MVJ 4240: Jazz Piano IV and
  - MVK 1211: Secondary Piano and
  - Restricted Electives

#### Jazz Bass
- 15 hrs
  - MVJ 1214: Jazz Bass I and
  - MVJ 2224: Jazz Bass II and
  - MVJ 3234: Jazz Bass III and
  - MVJ 4244: Jazz Bass IV and
  - MVS 1214: Secondary Bass and
  - Restricted Electives

#### Jazz Guitar
- 15 hrs
  - MVJ 1213: Jazz Guitar I and
  - MVJ 2223: Jazz Guitar II and
  - MVJ 3233: Jazz Guitar III and
  - MVJ 4243: Jazz Guitar IV and
  - MVS 1216: Secondary Guitar and
  - Restricted Electives

#### Jazz Drum Set
- 15 hrs
  - MVJ 1219: Jazz Drum Set I and
  - MVJ 2229: Jazz Drum Set II and
  - MVJ 3339: Jazz Drum Set III and
  - MVJ 4349: Jazz Drum Set IV and
  - MVP 1211: Secondary Percussion and
  - Restricted Electives

### Required Minors
- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

### Capstone Requirements
- None

### Foreign Language Requirements
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

### Electives
- Select primarily from upper level courses. May be outside of the department.

### Required Courses
- Eight semesters

### Transfer Notes
- Acceptable Substitutes for Transfer Courses
- The student must provide all supporting information.

### 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

### Additional Requirements
- None

### Required Minors
- None

### 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

### 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, the CLAS and nine hours of Summer credit (if applicable)

### 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
- Courses taken at community colleges 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
- ENC 1101: Composition I
- MVX 141X: Performance I
- MUS 1010: Music Forum
- MUS 2360C: Introduction to Music Technology

### Freshman Year - Spring
- ENC 1102: Composition II
- MVX 141X: Performance I

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**Undergraduate Catalog 2011-2012**
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<th>Hours</th>
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**Audition Requirements**
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to [http://www.music.ucf.edu/admissionsauditions.php](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.

**Music - Music Composition Track (B.M.)**

**College of Arts and Humanities**

**Department of Music, Colbourn Hall, Room: 205**


**E-mail:** musicaud@mail.ucf.edu

K. Gay, kgay@mail.ucf.edu, 407-823-5968

**Admission Requirements**

- Full-Time Student: $90 per term
- Part-Time Student: $45 per term

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**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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
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 willnormally 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 MUS 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.

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
   - 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.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

   1. Prefer
   - MGF 1106 Finite Mathematics 3 hrs
   - STA 1060C Basic Statistics Using Microsoft Excel 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 students take MUN 3435; guitar students take MUN 3483
MUX 141X Performance I (two semesters) 4 hrs
MUX 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 3 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MUN XXXX Major Ensembles (Piano students take MUN 3435; guitar students take MUN 3483)

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:

   1. MUC 3105C Composition III 3 hrs
   2. MUC 4106C Composition IV 4 hrs
   3. MUT 4401 Counterpoint 3 hrs
   4. MUT 4311 Orchestration 3 hrs
   5. 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, 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

   120

Honors In Major

   None

Related Programs

   - Music Education
   - Music
   - Theatre
UCF Degree Programs

Certificates
- None

Related Minors
- Music
- Digital Media
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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)

Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- MUT 2128 Music Theory and Musicianship I 4 hrs
- MUK 2111 Class Piano I 1 hr
- MUG 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 4141 Performance I 2 hrs

Sophomore Year - Fall 15 hrs
- ENC 1102 Composition II 3 hrs
- MUT 2122 Music Theory and Musicianship II 4 hrs
- MUK 1101 Class Piano II 1 hr
- MUG 3104 Basic Conducting 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs

Sophomore Year - Spring 16 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUK 2122 Class Piano IV 1 hr
- MUC 2104C Composition II 2 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MUX 2014 Cultural Foundation 3 hrs

Junior Year - Fall 16 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUG 3212 Music History and Literature II 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
- MVX 424X Performance II 2 hrs

Junior Year - Spring 16 hrs
1. STA 100C Basic Statistics Using Microsoft Excel 3 hrs
2. MUK 3212 Music History and Literature II 3 hrs
- MUT 4311 Orchestration 3 hrs
- MUK 3105C Composition III 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MUX 3/4XXX Restricted Electives 3 hrs

Senior Year - Fall 13 hrs
- MUN XXXX As a Minor 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs

Senior Year - Spring 13 hrs
- MUC 4106C Composition IV 4 hrs
- MUG 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.oeas.ucf.edu/aic/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 Arts Center, Room: M203
http://www.music.cah.ucf.edu/
E-mail: musicaud@mail.ucf.edu
Kirk Gay, kgay@mail.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
- 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.

1. UCF General Education Program (GEP)

A: Communication Foundations
- Prefer SPC 1608 Fundamentals of Oral Communication (36 hrs)

B: Communication Foundations
- (See General Education program for detailed information)
- Communication (9 hrs)

Take all of the following:
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
260 Undergraduate Catalog 2011-2012
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)
1) Prefer MGF 1106 Finite Mathematics 3 hrs
2) Prefer STA 1000C Basic Statistics Using Microsoft Excel 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 students take MUN 3453; guitar students take MUN 3484

3. Core Requirements: Basic Level (6 hrs)
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 2306C Introduction to Music Technology 3 hrs
MUS 1010 Music Forum 0 hrs

4. Core Requirements: Advanced Level (24 hrs)
MUS 3953 Recital Performance I 0 hrs
MUS 4954 Recital Performance II 0 hrs
MUG 3104 Basic Conducting 2 hrs
MUH 3721 Music History and Literature I 3 hrs
MUH 3722 Music History and Literature II 3 hrs
MUS 2300 Introduction to Music Technology 3 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUS 3254 Italian and French Lyric Diction 2 hrs

5. Restricted Electives (5 hrs)
Choose one MUT 3XXX or MUT 4XXX course 3 hrs

6. Electives (5 hrs)

7. Foreign Language Requirements

5. Restricted Electives
0-15 hrs
Any MUC, MUE, MUG, MUH, MUN, MUO, MUS, MUT, MUL, MVM, MVX courses numbered 3000 or higher.

6. Capstone Requirements
None

7. Graduate Requirements

8. Electives
Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements
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.

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.

10. Required Minors
None

11. Departmental Exit 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
None
## UCF Degree Programs

### Related Programs
- Music Education
- Music
- Theatre - Musical Theatre Track

### Certificates
- None

### Related Minors
- Music
- Theatre
- Digital Media

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges 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
- 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
- MVX 141X Performance I 2 hrs

### Sophomore Year - Fall
- 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
- MVX 141X Performance I 2 hrs
- Science Foundation 3 hrs

### Freshman Year - Spring
- 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
- MVX 242X Performance II 2 hrs

### Senior Year - Spring
- MUS 3953 Recital Performance I 0 hrs
- MUL 44XX Literature and Pedagogy 3 hrs
- MVX 343X Performance III 3 hrs

### Acceptable Substitutes for Transfer Courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Program A: Strings, Woodwinds, Brass

#### 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
- 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
- MVX 343X Performance III 3 hrs

#### Sophomore Year - Fall
- MUN XXXX Minor Ensemble 1 hr
- MUN XXXX Major Ensemble 1 hr
- Professional Sequence Entrance Review

#### Senior Year - Fall
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Restricted Elective 1 hr

#### Freshman Year - Spring
- 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
- Science Foundation 3 hrs

#### Sophomore Year - Spring
- 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 Minor Ensemble 1 hr
- MVX 242X Performance II 2 hrs

#### Junior Year - Fall
- MUS 3953 Recital Performance I 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MVX 343X Performance III 3 hrs
- MUN XXXX Minor Ensemble 1 hr
- MUN XXXX Major Ensemble 1 hr
- Professional Sequence Entrance Review

#### Senior Year - Spring
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Restricted Elective 1 hr

## Program B: Percussion

#### 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
- MUS 1010 Music Forum 0 hrs
- MUL 3463 Percussion Literature 2 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 343X Performance III 3 hrs

#### Sophomore Year - Fall
- 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
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Restricted Elective 1 hr
- MVX 242X Performance II 2 hrs

#### Senior Year - Spring
- MUN XXXX Minor Ensemble 1 hr
- MUN XXXX Major Ensemble 1 hr
- Professional Sequence Entrance Review

#### Freshman Year - Spring
- 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 3443 Percussion Ensemble 1 hr
- MUN XXXX Major Ensemble 1 hr

#### Sophomore Year - Spring
- 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
- Professional Sequence Entrance Review

#### Junior Year - Fall
- MUN XXXX Minor Ensemble 1 hr
- MUN XXXX Major Ensemble 1 hr

#### Senior Year - Spring
- MUN XXXX Minor Ensemble 1 hr
- MUN XXXX Major Ensemble 1 hr

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UCF Degree Programs

Program E: Voice

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<td>Senior Year</td>
<td>Spring</td>
<td>14 hrs</td>
</tr>
<tr>
<td>MUL 3052</td>
<td>Song Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 4054</td>
<td>Recital Performance II</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MVV 4441</td>
<td>Voice IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Social Foundation</td>
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<td></td>
</tr>
<tr>
<td>Science Foundation</td>
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<td></td>
</tr>
<tr>
<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
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</table>

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](http://www.oeas.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, Colbourn Hall, Room: 205A
http://www.music.cah.ucf.edu
E-mail: musicaud@mail.ucf.edu
A. Holcomb, aholcomb@mail.ucf.edu, 407-823-4180

Admission Requirements

Admission Requirements - Music Education
- Audition. To be accepted into 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 coursework. 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 205, MUF 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).

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, MUF 2126, 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
UCF Degree Programs

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
   - Required ENC 1102 Composition II

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)
   - 1. UCF General Education Program (GEP) (36 hrs)
     - D: Social Foundations (6 hrs)
       - Prefer POS 2041 American National Government 3 hrs

2. Common Program Prerequisites (CPP) (38 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (5 hrs)
   - MUS 1010 Music Forum CPP
   - MUT 1121 Music Theory and Musicianship I CPP
   - MUT 2126 Music Theory and Musicianship II CPP
   - MVK 2122 Class Piano IV 1 hr
   - MUN XXXX Major Ensembles (4 semesters) 4 hrs
   - MVX 242X Performance III (2 semesters) 4 hrs

4. Core Requirements: Advanced Level (20 hrs)
   - MUG 3104 Basic Conducting 2 hrs
   - MUH 3211 Music History and Literature I 3 hrs
   - MUH 3212 Music History and Literature II 3 hrs
   - ESE 3940 Internship I - Secondary 3 hrs
   - MUE 4311 Elementary School Music Methods and 3 hrs
   - MUE 3335 Music Learning Theory and Assessment and
   - MVX 343X Performance III (2 Semesters) 4 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 1 hr
   - MUE 4332 Secondary Instrumental Methods I 3 hrs
   - ESE 4943 Internship II - Secondary 7 hrs
   - MUE 4394 Seminar in Music Teaching 1 hr

   Select 1: 3 hrs
   - MUE 4335 Secondary Choral Methods II or
   - MUE 4441 String Methods

   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 3461 Brass Techniques II 1 hr

   Program B - Choral
   - MUS 1250 IPA for Singers 1 hr
   - MUG 3202 Choral Conducting and Materials 1 hr
   - MVV 6460 Voice Pedagogy 2 hrs
   - MUE 4331 Secondary Choral Methods I 3 hrs
   - MUE 4337 Secondary Instrumental Methods II 3 hrs
   - MUE 4394 Seminar in Music Teaching 1 hr
   - ESE 4943 Internship II - Secondary 7 hrs
   - MUE 4943 Music Internship II 12 hrs
   - MUE 4335 Secondary Choral Methods II 3 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 3335 General Music Literature and Techniques 2 hrs
   - MUE 4331 Secondary Choral Methods I 3 hrs
   - MUE 4394 Seminar in Music Teaching 1 hr
   - ESE 4943 Internship II - Secondary 7 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
   - MUG 3X02 Choral or Instrumental Conducting and Materials 2 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

Admissions
   - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

UCF Degree Programs
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 Teacher 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

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, the CLAS and nine hours of Summer credit (if applicable)

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).
- Courses transferred to private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

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

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, the CLAS and nine hours of Summer credit (if applicable)

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).
- Courses transferred to 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

- EDF 2005 Introduction to the Teaching Profession: 3 hrs
- MUT 1121 Music Theory and Musicianship I: 4 hrs
- MVK 1112 Class Piano I: 1 hr
- MUE 2346 Vocal Techniques: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MVX 141X Performance I: 2 hrs
- MUN XXXX Ensemble: 1 hr
- GEP: 3 hrs
- CMENC/Schools: 1 hr

Freshman Year - Spring

- MUL 2014 Introduction to Music History and Literature: 3 hrs
- MVK 2121 Class Piano III: 1 hr
- MUE 3211 Music History and Literature I: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- GEP: 3 hrs
- MUE XXXX Techniques: 1 hr
- MVX 242X Performance II: 2 hrs
- MUN XXXX Ensemble: 1 hr
- CMENC/Schools: 1 hr

Sophomore Year - Fall

- MUT 2126 Music Theory and Musicianship III: 4 hrs
- MVK 3212 Music History and Literature II: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUE XXXX Techniques: 1 hr
- MVX 242X Performance II: 2 hrs
- MUN XXXX Ensemble: 1 hr
- CMENC/Schools: 1 hr

Sophomore Year - Spring

- EDF 2085 Introduction to Diversity for Educators: 3 hrs
- MUT 2127 Music Theory and Musicianship IV: 4 hrs
- MVK 3211 Music History and Literature I: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUE XXXX Techniques: 1 hr
- MVX 242X Performance II: 2 hrs
- MUN XXXX Ensemble: 1 hr
- CMENC/Schools: 1 hr

Junior Year - Spring

- 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:

- MUE 4335 Secondary Choral Methods II or MUE 4441 String Methods: 3 hrs
- GEP: 3 hrs
- MVX 343X Performance III: 2 hrs
- MUN XXXX Ensemble: 1 hr
- CMENC/Schools: 1 hr

Senior Year - Fall

- ESE 3940 Internship I - Secondary: 3 hrs
- MUE 3333 Music Learning Theory and Assessment: 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL: 3 hrs
- CMENC: 3 hrs
- GEP: 3 hrs

Senior Year - Summer

- MUE 4394 Seminar in Music Teaching: 1 hr
- GEP: 3 hrs

Program B - Choral Program K-12:

Freshman Year - Fall

- 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
- MVX 141X Performance I: 2 hrs
- MUN XXXX Ensemble: 1 hr
- CMENC/Schools: 1 hr

Freshman Year - Spring

- ESE 4943 Internship II - Secondary: 7 hrs
- MUE 4394 Seminar in Music Teaching: 1 hr
- GEP: 3 hrs

Sophomore Year - Fall

- MUS 1010 Music Forum: 0 hrs
- GEP: 6 hrs
- MVX 141X Performance I: 2 hrs
- MUN XXXX Ensemble: 1 hr
- CMENC/Schools: 1 hr

Sophomore Year - Spring

- MUE XXXX Techniques: 1 hr
- MVX 242X Performance II: 2 hrs
- MUN XXXX Ensemble: 1 hr
- CMENC/Schools: 1 hr

Sophomore Year - Fall

- 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 2121 Class Piano IV: 1 hr
- MUE 3333 Music Learning Theory and Assessment: 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL: 3 hrs
- Students in Schools: 3 hrs
- CMENC: 3 hrs
- GEP: 3 hrs

Sophomore Year - Spring

- MUE XXXX Techniques: 1 hr
- MVX 242X Performance II: 2 hrs
- MUN XXXX Ensemble: 1 hr
- CMENC/Schools: 1 hr
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 4323  Professional Teaching Practices 3 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
MVV 4640  Voice Pedagogy 2 hrs
MVX 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
MUE 3960C  Introduction to Music Technology 3 hrs
MVX 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 3 hrs
CMENC

Senior Year - Spring 15 hrs
ESE 4943  Internship II - Secondary 7 hrs
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
MVX 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
MVX 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 II 1 hr
MUH 3211  Music History and Literature I 3 hrs
GEP 3 hrs
MVX 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
MVX 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 4331  Elementary School Music Methods 2 hrs
EDG 4323  Professional Teaching Practices 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
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
GEP 3 hrs
CMENC/Schools

Junior Year - Spring 15 hrs
MUS 1010  Music Forum 0 hrs
MUG 3104  Basic Conducting 2 hrs
MUE 4331  Elementary School Music Methods 2 hrs
EDG 4323  Professional Teaching Practices 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
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
GEP 3 hrs
CMENC/Schools

Senior Year - Fall 15 hrs
Take PET and Music Examination of FTCE
ESE 3940  Internship I - Secondary 3 hrs
MUE 4333  Music Learning Theory and Assessment 3 hrs
Select 1: 3 hrs
MUE 4331  Secondary Choral Methods I or
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
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.oecs.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
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean, Undergraduate
Patricia Lei, Undergraduate Coordinator
407-823-2744

For individuals who are not Registered Nurses.
The College of Nursing has a demanding curriculum. The courses 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
- 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 are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- 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 (2.0) 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
  - CHM 1032 General Chemistry 3 hrs
  - Physiology with Lab 4 hrs
  - 1 or other approved Physical or Life Science

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 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 community college 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 Community or State College or other universities, 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
  - Required STA 2014C Principles of Statistics or 3 hrs
  - Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations  (6 hrs)
  - Prefer ECO 2012 Principles of Microeconomics or 3 hrs
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
  - Prefer POS 2041 American National Government 3 hrs

2. Social Sciences
  - Prefer PSY 2012 General Psychology or 3 hrs
  - Prefer SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations  (8 hrs)

1. Physical Sciences
  - Suggested CHM 1032 General Chemistry 3 hrs

2. Life Sciences
  - 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

PSY 2012 General Psychology  GEP
SYG 2000 Introduction to Sociology  GEP
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
  - CHM 1032 General Chemistry 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
  - 1 or other approved Life/Physical 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
UCF Degree Programs

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 3105  Nursing Research  3 hrs
NUR 4637  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 graduation.
- Mandatory Drug Screening is required prior to any clinical course 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
- 48 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, the CLAS and nine hours of Summer credit (if applicable)

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 taken at community colleges 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
- The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 1032: May substitute any college Chemistry course 3 hrs
  - MAC 1105C: May substitute STA2023 or equivalent.
  - ZOO 3733C: May take Anatomy and Physiology course.

Plan of Study
Freshman Year - Fall
- MAC 1105C: May substitute STA2023 or equivalent.
- BSC 2010C: May substitute any General Psychology course.
- CHM 1032: May substitute any Introductory Biology course.
- STA 2014C: May substitute STA2023 or equivalent.
- SYG 2000: May substitute any General Psychology course.

Freshman Year - Spring
- PSY 2012: May substitute SPG 1001.
- MCB 2004C: May substitute any Microbiology course.
- STA 2014C: May substitute STA2023 or equivalent.

Freshman Year - Summer
- MCB 2004C: May substitute any Introductory Biology course.
- ZOO 3733C: May take Anatomy and Physiology course.

Sophomore Year - Fall
- ZOO 3733C: May substitute any Introductory Biology course.
- MCB 2004C: May substitute any Microbiology course.
- MCB 2004C: May substitute any Microbiology course.

Sophomore Year - Spring
- ZOO 3733C: May substitute any Introductory Biology course.
- MCB 2004C: May substitute any Microbiology course.

Sophomore Year - Fall
- ZOO 3733C: May substitute any Introductory Biology course.
- MCB 2004C: May substitute any Microbiology course.

Sophomore Year - Spring
- ZOO 3733C: May substitute any Introductory Biology course.
- MCB 2004C: May substitute any Microbiology course.

Junior Year - Fall
- NUR 3825: May substitute any College of Nursing course.
- NUR 3065: May substitute any Human Development course.
- NUR 3065L: May substitute any College of Nursing course.

Senior Year - Fall
- NUR 3065: May substitute any Human Development course.
- NUR 3065L: May substitute any College of Nursing course.

Undergraduate Catalog 2011-2012
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.oeas.ucf.edu/aic/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/
E-mail: ucfnurse@mail.ucf.edu
407-823-2744

A partnership between selected State/Community Colleges 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 State/Community Colleges Nursing Programs are eligible for this enrollment option. Upon invitation, if not already admitted to UCF, students must make separate application to the UCF College of Nursing. Students are accepted into this program during their first semester of nursing and must progress according to a designated plan of study.
- Students not yet admitted to UCF must make application and be accepted by the University prior to admission to 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.
- Been accepted for enrollment and in good standing at the State/Community College ASN Nursing program.
- An AA degree from a Florida State/Community College or have met ALL UCF General Education requirements at time of application.
- Met UCF Foreign Language admission requirement.

- Completed pre-requisite coursework for both the UCF and the ASN nursing programs.
- CLAS requirement satisfied.
- A satisfactory score on the standardized entry test 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 community college 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 State/Community College or other university.
- 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)
   - Communication Foundations (9 hrs)
   - Cultural & Historical Foundations (6 hrs)
   - Mathematical Foundations (6 hrs)
   - Select 1:
     - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
     - STA 2023 Statistical Methods I 3 hrs
   - Select 1:
     - Prefer SYG 2000 Introduction to Sociology or SYG 2011 Introduction to Psychology or STA 2014C Principles of Statistics 3 hrs
     - SYG 2011 Introduction to Psychology or STA 2023 Statistical Methods I 3 hrs
   - Select 1:
     - Prefer ECO 2013 Principles of Microeconomics or ECO 2023 Principles of Microeconomics 3 hrs
     - ECO 2023 Principles of Microeconomics 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
   - Science Foundations (7 hrs)
     - Required BSC 2010C Biology I or CHM 1032 General Chemistry 4 hrs
     - CHM 1032 General Chemistry or CHM 1032L General Chemistry Laboratory 3 hrs
     - Suggested 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

E: Science Foundations (7 hrs)
   - Required MCB 2004 Microbiology for Health Professionals 4 hrs
   - CHM 1032 General Chemistry 4 hrs
   - Select 1:
     - CHM 1032L General Chemistry Laboratory 1 hr
     - Suggested 3 hrs
   - Select 1:
     - STA 2023 Statistical Methods I or STA 2014C Principles of Statistics 3 hrs
     - STA 2014C Principles of Statistics 3 hrs
     - STA 2023 Statistical Methods I 3 hrs
   - Select 1:
     - Prefer SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology 3 hrs
     - Suggested 3 hrs
   - Select 1:
     - Prefer PSY 2013 General Psychology or PSY 2010 General Psychology or PSY 2011 Introduction to Psychology 3 hrs
     - PSY 2011 Introduction to Psychology 3 hrs
UCF Degree Programs

1. 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. May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits. 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 (52 hrs)
   - None

   NUR 3006 Professional Socialization Seminar 1 hr
   NUR 3005 Health Assessment Lab 1 hr
   NUR 3003 Dimensions of Professional Nursing Practice 3 hrs
   NUR 3015 Nursing Research 3 hrs
   NUR 3034 Community Health Nursing 3 hrs
   NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs

   NUR 4637 Public Health Nursing 2 hrs
   NUR 4648 Practicum in Community and Public Health Nursing for RNs 4 hrs

   Upper Division Credit 27 hrs
   - May be met by validation

   NUR 3026 Essentials of Nursing Practice 2 hrs
   NUR 3026L Essentials of Nursing Practice Lab 1 hr
   NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
   NUR 3226 Nursing Care of the Adult I 3 hrs
   NUR 3226L 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 (6 hrs)
   Any two upper division nursing electives 6 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 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, the CLAS and nine hours of Summer credit (if applicable)
    - Total Semester Hours Required 120

honors in major
- None

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.oeas.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

E-mail: ucfnurse@mail.ucf.edu
Stephen Heglund, RN to BSN Coordinator
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Jean Leuner, Dean
407-823-2744

BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, CLAS, 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.

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 (or eligible); progress toward the UCF general education requirements, an AA degree from a Florida Community or State College, or eligible for the Statewide Articulated AS-BSN Program (see AS to BS); completion of all sections of CLAS (or Exempt); and, a minimum overall GPA of 2.5.
- Completion of program prerequisite courses with at least a grade of “C” (2.0) or better in each course.

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 community college AA 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 prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other university.
- 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 Degree Programs

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
   - Select 1: STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
   - Select 1: PSY 2012 General Psychology 3 hrs
   - Select 1: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
   - Select 1: POS 2041 American National Government 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (51 hrs)
   - UCF Core
     - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
     - NUR 3085 Health Assessment 2 hrs
     - NUR 3085L 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

Upper Division Credit (27 hrs)
   - Upper Division Credit may be met by Validation.
     - 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 (6 hrs)
   - Any two upper division nursing electives (NUR or NSP prefix)

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

8. Electives
   - Individual 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" grade of "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 3605: Prior 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) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida public Community College or State University System (SUS); 3) complete Nursing prerequisites; 4) CLAS requirement satisfied; and 5) complete foreign language admission requirement

Other:
   - Selected courses may be offered at regional campuses of Daytona, Cocoa, Leesburg, and Ocala.
   - 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 residence 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, the CLAS and nine hours of Summer credit (if applicable)
- Total Semester Hours Required: 120
- Honors In Major: None

#### 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)

**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 3534 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.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

### Philosophy (B.A.)

**College of Arts and Humanities**

**Department of Philosophy, Psychology Building, Room: 220**


**E-mail:** philosophy@mail.ucf.edu

Dr. Don Jones, donjones@mail.ucf.edu, 407-823-2273

Dr. Jennifer Mundale, jmundale@pegasus.cc.ucf.edu, 407-823-2273

407-823-2273

### Administration 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)
- **C: Mathematical Foundations** (6 hrs)
  - Prefer MGF 1106 Finite Mathematics
  - Prefer STA 1060C Basic Statistics Using Microsoft
  - Excel

#### 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**
- PHI 2011 Philosophical Reasoning 3 hrs
- PHI 2101 Formal Logic I or
- PHI 2108 Critical Thinking 3 hrs
- PHI 2647 Logic and Ethics or
- PHI 3131 Formal Logic II 3 hrs

**History of Philosophy**
- PHI 3083 Research Methods in Philosophy 3 hrs
- PHI 3790 Senior Research Seminar 3 hrs

#### Values and Society (6 hrs)

**Select 2:**
- PHI 3670 Environmental Ethics or
- PHI 3680 Environmental Philosophy or
- PHI 3690 African Philosophy 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

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**Undergraduate Catalog 2011-2012**

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Select 2: 6 hrs

PHI 4500 Metaphysics or Philosophy of Religion or 3 hrs
PHI 4341 Ways of Knowing or Philosophy of Psychology or 3 hrs
PHI 3700 Philosophy of Religion or Philosophy of Psychology or 3 hrs
PHI 4400 Philosophy of Science or Philosophy of Social Science or 3 hrs
PHI 3320 Philosophy of Mind or Philosophy of Social Science or 3 hrs
PHI 4451 Philosophy of Psychology or Philosophy of Social Science or 3 hrs
PHI 4420 Philosophy of Social Science or Philosophy of Science or 3 hrs
PHI 3323 Minds and Machines: Philosophy of Cognitive Science or Philosophy of Science or 3 hrs

Being and Knowing 6 hrs

Topics in Philosophy 3 hrs

Select 1: 3 hrs

- Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.
- PHI 4531 Philosophy in the News or PHI 3683 Philosophy of Friendship or PHI 4321 Philosophies of Embodiment: Mind/Body or Self or PHI 3648 Ethical Implications of the Human Genome Project or PHI 3022 Sexuality, Gender & Philosophy or PHI 3033 Philosophy, Religion, and the Environment or PHI 4804 Critical Theory or PHI 3783 Modernity as a Philosophical Problem or PHI 3750 The Problem of Evil or PHI 3720 Faith and Reason or PHI 3803 Philosophy and Creativity or PHI 3941 Philosophy Practicum or REL 3111 Religion and Philosophy Through Film or PHP 3786 Existentialism or HUM 4330 Performance Theory or PHI 4935 Topics in Philosophy of Mind 3 hrs

5. Restricted Electives (6 hrs)

- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.
- PHI 4903H Honors Directed Reading I 1 hr
- PHI 4970H Undergraduate Honors Thesis 1 hr

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.

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.
- 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 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

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
- 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:

Honors Thesis PHI 4903H Honors Directed Reading I 1 hr
PHI 4970H Undergraduate Honors Thesis 1 hr

Related Programs

- Humanities
- Humanities - Philosophy, Religion, & Popular Culture Track
- Religious Studies

Certificates

- None

Related Minors

- Cognitive Sciences
- Environmental Studies
- Humanities
- Philosophy
- Religious Studies
- Women’s Studies

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges 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 1060C 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
UCF Degree Programs

Photography (B.S.)
College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu
Jason Burrell, 386-506-3944

(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-B.F.A. programs.)

The School of Visual Art 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.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students must earn at least a “C” in each required upper level course and maintain an overall GPA of at least 2.0

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:

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.

3. Program Academic Learning Compacts

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

4. Core Requirements: Basic Level (49 hrs)
- A.S. Required Courses:
  - (Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)

5. Core Requirements: Advanced Level (36 hrs)
- Select two of the following courses:
  - PGY 3451C Alternative Processes
  - PGY 4493C Photography and Art
Physics (B.S.)
Department of Physics, Math and Physics, Room: 310
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Dr. Talat Rahman
407-823-2325

Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks 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 community college, except in situations where one semester of a two semester sequence has already been taken at the community college.

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.

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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 1603 Fundamentals of Technical Presentations

Take all of the following: 3 hrs

Required ENC 1101 Composition I and
Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Required MAC 2311 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 2311 Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
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

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 1603 Fundamentals of Technical Presentations

Take all of the following: 3 hrs

Required ENC 1101 Composition I and
Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Required MAC 2311 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 2311 Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
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
Note: These courses are considered equivalent.

CHM 2045C Chemistry Fundamentals I 4 hrs

or - students with little chemistry background should select this sequence.

CHM 2040 Chemistry Fundamentals IA and

CHM 2041 Chemistry Fundamentals IB 3 hrs

3. Core Requirements: Basic Level (36 hrs)

- Required of all specializations.

MAP 2302 Differential Equations 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 requirements 6 hrs

PHY 3802L Intermediate Physics Laboratory 3 hrs

Select 1:

PHY 3752C Physics of Scientific Instruments or 3 hrs

PHY 3722C Physics Laboratory-Electronics 3 hrs

4. Core Requirements: Advanced Level (36 hrs)

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 6 hrs

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:

PHY 4803L Advanced Physics Laboratory or 3 hrs

ESE 5356C Fabrication of Solid-State Devices 4 hrs

Select 3:

ESE 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

ESE 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:

EEL 4440 Optical Engineering or 3 hrs

PHY 4445 Lasers or 3 hrs

OPE 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

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 4 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

AST 3722C Techniques of Observational Astronomy or 3 hrs

Select 2: 6 hrs

AST 3110 Solar System Astronomy or 3 hrs

AST 3211 Stellar Astrophysics or 3 hrs

AST 3402 Galaxies and Cosmology 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.

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

- Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

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
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://mathplacement.sdes.ucf.edu/
- Prior to enrolling in Chemistry, take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/

Freshman Year - Fall

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
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<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
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Freshman Year - Spring

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<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
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<td>CHM 2046</td>
<td>Chemistry Fundamentals I</td>
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<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
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<tr>
<td>MAC 2312</td>
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Sophomore Year - Fall

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<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
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<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
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Sophomore Year - Spring

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<tr>
<td>MAP 2302</td>
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<td>PHY 3101</td>
<td>Physics for Engineers and Scientists III</td>
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<td>PHZ 3113</td>
<td>Introduction to Theoretical Methods of Physics</td>
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Junior Year - Fall

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<tr>
<td>PHY 3802L</td>
<td>Intermediate Physics Laboratory</td>
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<td>PHY 3323</td>
<td>Electricity and Magnetism I</td>
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<tr>
<td>PHY 3513</td>
<td>Thermal and Statistical Physics</td>
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<tr>
<td>Restricted</td>
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Junior Year - Spring

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<tr>
<td>PHY 3220</td>
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<td>PHY 4524</td>
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Senior Year - Fall

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<tr>
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<td>3 hrs</td>
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<tr>
<td>PHY 4912</td>
<td>Independent Research</td>
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Senior Year - Spring

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<tr>
<td>PHY 4605</td>
<td>Wave Mechanics II</td>
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<tr>
<td>Restricted</td>
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<td>3 hrs</td>
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<tr>
<td>Free Elective</td>
<td></td>
<td>2 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Physics Test-Nationally normed

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: $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://www.cos.ucf.edu/politicalscience

E-mail: politics@ucf.edu

Dr. Roger Handberg

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
- 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 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
   - POS 3703 Scope and Methods of Political Science
2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs.
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)
      - Required 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)
      - Select from GEP B.2 list (3 hrs)

   C: Mathematical Foundations (6 hrs)
      - GEP - Math (3 hrs)
      - Required MGF 1106 Finite Mathematics or (3 hrs)
      - Required MGF 1107 Explorations in Mathematics or (3 hrs)
      - Required STA 2014C Principles of Statistics or (3 hrs)
      - Required STA 1060C Basic Statistics Using Microsoft Excel or (3 hrs)
      - You may substitute a higher level math with appropriate scores on the Math Placement Test.
      - GEP - Statistics (3 hrs)

   You may substitute a higher level Statistics course (3 hrs)
### UCF Degree Programs

**D: Social Foundations**

- Required: POS 2041 American National Government 3 hrs
- Select from GEP D.2 list 3 hrs

**E: Science Foundations**

- (6 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes.

**2. Common Program Prerequisites (CPP)**

- (3 hrs)

**3. Core Requirements: Basic Level**

- POS 2041 American National Government GEP 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs

**4. Core Requirements: Advanced Level**

- POS 3703 Scope and Methods of Political Science CPP 3 hrs

**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 two of the following courses may be considered part of area B credit:
  - INR 4401 International Law I or 3 hrs
  - INR 4402 International Law II 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 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 3235 Mass Media and Politics or 3 hrs
- POS 3268 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 4074 Latino Politics or 3 hrs
- POS 4142 Metropolitan Politics or 3 hrs
- POS 4204 Political Behavior or 3 hrs
- POS 4246 Political Socialization or 3 hrs
- POS 4284 Judicial Process and Politics or 3 hrs
- POS 4412 Presidential Campaigning or 3 hrs
- POS 4603 American Constitutional Law or 3 hrs
- POS 4604 American Constitutional Law II or 3 hrs
- POS 4622 Politics and Civil Rights or 3 hrs
- POS 4742 Geographic Information Systems for the Political Scientist or 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 4043 Politics of the NAFTA Region 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 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 3 hrs
- GEO 3471 World Political Geography or 3 hrs
- IDS 4315 Global Perspectives or 3 hrs
- INR 2002 International Relations-Theory and Practice or 3 hrs
- 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 4063 Causes of War or 3 hrs
- INR 4064 Changing Nature 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 4085 Women, Gender, and Globalization or 3 hrs
- INR 4102 American Foreign Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4115 Strategic Weapons and Arms Control or 3 hrs
- INR 4224 Contemporary International Politics of Asia or 3 hrs
- INR 4225 The Vietnam War or 3 hrs
- INR 4243 International Politics of Latin America or 3 hrs
- INR 4307 Global Environmental Politics or 3 hrs
- INR 4308 The Intelligence Community or 3 hrs
- INR 4309 Issues in International Public Policy or 3 hrs
- INR 4335 Coercion in International Politics or 3 hrs
- INR 4401 International Law I or 3 hrs
- INR 4402 International Law II 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
- POS 3253 Contemporary Revolution and Political Violence or 3 hrs
- PUP 3508 Space Studies or 3 hrs
- PUP 3014 Comparative Public Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- PUP 4510 Space Policy or 3 hrs
- CPO 4514 Politics of East Asia or 3 hrs
- CPO 4794 Indigenous Politics and the Environment or 3 hrs
- INR 4603 International Relations Theory or 3 hrs
- INR 4084 Politics of International Terrorism or 3 hrs

**C. Political Theory Area**

- (6 hrs)
- POS 4784 Political and Economic Inequality in 3 hrs
- Comparative Perspective 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 or 3 hrs
- 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 4063 Causes of War or 3 hrs
- INR 4064 Changing Nature 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 4085 Women, Gender, and Globalization or 3 hrs
- INR 4102 American Foreign Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4115 Strategic Weapons and Arms Control or 3 hrs
- INR 4224 Contemporary International Politics of Asia or 3 hrs
- INR 4225 The Vietnam War or 3 hrs
- INR 4243 International Politics of Latin America or 3 hrs
- INR 4307 Global Environmental Politics or 3 hrs
- INR 4308 The Intelligence Community or 3 hrs
- INR 4309 Issues in International Public Policy or 3 hrs
- INR 4335 Coercion in International Politics or 3 hrs
- INR 4401 International Law I or 3 hrs
- INR 4402 International Law II 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
- POS 3253 Contemporary Revolution and Political Violence or 3 hrs
- PUP 3508 Space Studies or 3 hrs
- PUP 3014 Comparative Public Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- PUP 4510 Space Policy or 3 hrs
- CPO 4514 Politics of East Asia or 3 hrs
- CPO 4794 Indigenous Politics and the Environment or 3 hrs
- INR 4603 International Relations Theory or 3 hrs
- INR 4084 Politics of International Terrorism or 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: Political Science: For students who excel, a limited number of internship 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.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major
- Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

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

Certificates
- Diplomacy

Related Minors
- Economics
- History
- Psychology
- Sociology
- Philosophy

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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.

Freshman Year - Fall 15 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- POS 2041 American National Government 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
- Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Spring 16 hrs
- 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 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 15 hrs
- Restricted 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.oeras.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://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
407-823-2008

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
**UCF Degree Programs**

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 Arts and 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
- 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 |
| B: Cultural & Historical Foundations (9 hrs) | Prefer | SPC 1608 | Fundamentals of Oral Communication | 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: | MGF 1106 | Finite Mathematics or Exams | 3 hrs |
| Prefer | MGF 1107 | Explorations in Mathematics or Exams | 3 hrs |
| You may substitute a higher level math with appropriate scores on the Math Placement Test. | 3 hrs |

**Statistics:**

| Prefer | STA 2044C | Principles of Statistics | 3 hrs |
| Prefer | STA 1090C | Basic Statistics Using Microsoft Excel | 3 hrs |
| You may substitute a higher level statistics course. | 3 hrs |

**D: Social Foundations (6 hrs)**

| Political Science | Required | POS 2041 American National Government | 3 hrs |

**Social Science**

| 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 | 3 hrs |
| POS 3703 | Scope and Methods of Political Science | GEP | 3 hrs |

**3. Core Requirements: Basic Level**

| POS 2041 | American National Government | GEP/CPP | 3 hrs |

**4. Core Requirements: Advanced Level**

| POS 3703 | Scope and Methods of Political Science | CPP | 3 hrs |
| POS 4284 | Judicial Process and Politics | 3 hrs |

**5. Restricted Electives (27 hrs)**

Select one of the following four courses:

| POS 4403 | American Constitutional Law | 3 hrs |
| POS 4604 | American Constitutional Law II | 3 hrs |
| INR 4401 | International Law I | 3 hrs |
| INR 4402 | International Law II | 3 hrs |

And, select one of the following two options: (See Area courses list under Political Science)

- Five courses from area A and area B | 24 hrs |
- Two courses from area A and area B | 6 hrs |
- One course from area C | 3 hrs |

**OR**

- Two courses from area A and area B | 15 hrs |
- Five courses from area A and area B | 6 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: Political Science: For students who excel, a limited number of internship 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.

**9. Additional Requirements**
- None

**10. Required Minors**
- None

### 11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major
- Before applying to graduate, the CLAS must be completely satisfied.

#### 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, the CLAS and nine hours of Summer credit (if applicable)

**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
Economics
History
English - Creative Writing
Philosophy
Criminal Justice
Legal Studies

Advising Notes
None

Transfer Notes
Lower division courses taken at community colleges 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.

Freshman Year - Fall
15 hrs
AMH 2010  U.S. History: 1492-1877  3 hrs
ENC 1101  Composition I  3 hrs
GEP 3 hrs
POS 2041  American National Government  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
STA 2014C  Principles of Statistics  3 hrs

Sophomore Year - Fall
16 hrs
GEP 3 hrs
Restricted Elective  3 hrs
Supporting Elective  3 hrs
Foreign Language  4 hrs
Supporting Elective  3 hrs

Sophomore Year - Spring
16 hrs
GEP 3 hrs
POS 3703  Scope and Methods of Political Science  3 hrs
Restricted Elective  3 hrs
Supporting Elective  3 hrs
Foreign Language  4 hrs

Junior Year - Fall
15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Supporting Elective  3 hrs
POS 4284  Judicial Process and Politics  3 hrs

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

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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Psychology (B.S.)
College of Sciences
Department of Psychology, Psychology Building, Room: 301
http://www.psych.ucf.edu/
E-mail: psychadvising@ucf.edu
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 Department Director of Undergraduate Advising, 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.
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)
C: Mathematical Foundations (6 hrs)
Math: 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Test.
Prefer MGF 1106  Finite Mathematics  3 hrs
Statistics:
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
### Biology
- Select the advanced option if additional biology courses are planned.
  - Required: BSC 1005 Biological Principles or BSC 2010C Biology I

### 2. Common Program Prerequisites (CPP)
- See Transfer Notes for possible substitutes for the courses listed below.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

### Statistics
- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

### E: Science Foundations (6 hrs)

### Biology: Select the advanced option if additional biology courses are planned.

### Physical or Chemical: Select a listed course (3 hrs)
- Select one of the listed choices

### Lower Level Core Requirements

#### 3. Core Requirements: Basic Level

#### A. Experimental: Select two of the following: (6 hrs)
- EXP 3404C Basic Learning Processes or EXP 3204C Perception or EXP 3604C Cognitive Psychology or PSB 4240C Neuropsychology or PSY 4215C Advanced Research Methods in Psychology or PSY 3703 Psychology of Language

#### B. Personality/Social: Select one of the following: (3 hrs)
- PPE 3003C Personality Theory and Research or SOP 3004C Social Psychology

#### C. Developmental: Select one of the following: (3 hrs)
- DEP 2004C Developmental Psychology or DEP 3202 Psychology of Exceptional Children or DEP 3464 Psychology of Aging

#### D. Diversity: Select one of the following: (3 hrs)
- CLP 3184 Women’s Mental Health or SOP 3742 Psychology of Women or SOP 3723 Cross Cultural Psychology or SOP 3724 Psychology of Prejudice or SOP 3784 Psychology of Diversity

#### E. Applied: Select one of the following: (3 hrs)
- CLP 3302 Clinical Psychology or EXP 3250 Principles of Human Factors Psychology or INP 3004C Industrial/Organizational Psychology

#### F. Psychology Electives
- Select three additional courses taught by the Psychology department

### G. Math/Science Electives: Select two of the following: (6 hrs)
- Students must meet the course prerequisites for any course they select. See course listing for prerequisites

### L. Foreign Language Requirements

### 6. Capstone Requirements
- None

### 7. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each course in the CPP, core requirements, restricted electives and science electives (sections 2-5).
- Maintain a minimum overall psychology GPA of 2.0.
- Before applying to graduate, the CLAS must be completely satisfied.

### 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. Honors in Major
- 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.

### Departmental Exit Requirements: (33 hrs)

### Total Semester Hours Required
- 120
Junior Year - Fall  16 hrs
PSY 4903H Honors Directed Reading I  3 hrs
PSY 4970H Undergraduate Honors Thesis  3 hrs

Sophomore Year - Spring  14 hrs

Sophomore Year - Fall  16 hrs

Freshman Year - Spring  15 hrs
ENC 1101 Composition I  3 hrs
PSY 2012 General Psychology  3 hrs
GEP 3 hrs
GEP 3 hrs
Math 3 hrs

Freshman Year - Fall  15 hrs
ENC 1102 Composition II  3 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Biology 3 hrs
GEP 3 hrs
Statistics 3 hrs

Sophomore Year - Fall  16 hrs
Restricted Elective 3 hrs
DEP 2004C Developmental Psychology 3 hrs
GEP 3 hrs
GEP 3 hrs
Foreign Language 4 hrs

Sophomore Year - Spring  14 hrs
Restricted Elective 3 hrs
Restricted Elective 3 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

1. UCF General Education Program (GEP)  (36 hrs)
A: Communication Foundations  (9 hrs)
Suggested SPC 1008 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations  (9 hrs)
C: Mathematical Foundations  (6 hrs)
Required CGS 1060C Introduction to Computer Science 3 hrs

Select 1:  (3 hrs)
Suggested MAC 1105C College Algebra or MGF 1107 Explorations in Mathematics 3 hrs
Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations  (6 hrs)
Suggested POS 2041 American National Government 3 hrs
4. Core Requirements: Advanced Level (21 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)
- ECO 2013 Principles of Macroeconomics 3 hrs
- CGS 1060C Introduction to Computer Science GEP
- POS 2041 American National Government GEP

3. Core Requirements: Basic Level (3 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- E: Science Foundations (6 hrs)

1. University Minimum Exit Requirements
- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Accounting
- Interpersonal/Organizational Communication
- Economics
- Legal Studies
- Computer Science
- Social Work
- Political Science
- Criminal Justice
- Health Services Administration
- Management

Certificates
- Nonprofit Management

Related Minors
- Business
- Economics
- Political Science
- Legal Studies
- Criminal Justice
- Urban and Regional Planning
- Non-Profit Management/American Humanities National Certification Program
- Emergency Management and Homeland Security

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
- ENC 1101 Composition I 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- POS 2041 American National Government 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs

Select 1:
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- MUL 2101 Enjoyment of Music or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2101 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
- ENC 1102 Composition II 3 hrs
- MSG 1106 Finite Mathematics 3 hrs

Select 1:
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

Select 1:
- CHM 1020 Concepts in Chemistry or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- AST 2000 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
ANH 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
ANH 2020 U.S. History: 1877-Present or 3 hrs
EUH 2001 Western Civilization II or 3 hrs
HUM 2220 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 Public Personnel 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 4254 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.oeas.ucf.edu/aic/academic_learning_compacts.htm

Radio - Television (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu/
E-mail: radiotv@mail.ucf.edu
Dr. W. Joe Hall, Area Coordinator, whall@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
407-923-2061

Admission Requirements
- Students should apply to become Radio-Television majors only after completing all requirements for admission.

Attain an overall minimum 2.25/4.0 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.
- Meet a grammar proficiency standard ("B" grades or better in the following courses or pass the grammar proficiency exam).

Application Deadlines:
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- July 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.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 85 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.
- 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
Prefer SPC 1608 Fundamentals of Oral Communication or 3 hrs
Suggested SPC 1603 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.
Required MGF 1106 Finite Mathematics or 3 hrs
Required MGF 1107 Explorations in Mathematics or 3 hrs

Computer Science: 3 hrs
- Computer Fundamentals for Business 3 hrs
UCF Degree Programs

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 (12 hrs)
- These courses may be taken before applying to the major.
  - MMC 3200 Mass Communication Law 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: 18 hrs
- SPC 1603 Fundamentals of Technical Presentations or GEP
- SPC 1608 Fundamentals of Oral Communication GEP

Select 1: 6 hrs
- CGS 2100C Computer Fundamentals for Business or
- CGS 2585C Desktop/Internet Publishing or
- CGS 3175 Internet Applications or

4. Core Requirements: Advanced Level (6 hrs)
- These courses are only available to students who have been accepted into the major.
  - MMC 3420 Mass Media Research Methods 3 hrs
  - 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
  - RTV 3228C Studio Television Production or
  - RTV 3233C Lighting for Video or
  - RTV 3260C Single Camera Video Production and Editing or
  - RTV 3363C Advanced Video Post-Production or
  - RTV 3283C Production of Interactive Multimedia or
  - RTV 4201C Audio Production II or
  - RTV 4280C Webcasting I or
  - RTV 4261C Webcasting II or
  - RTV 4206C Television Directing or
  - RTV 4271C Radio Production and Programming or
  - RTV 3942L Practicum or
  - RTV 4941 Internship 1 hr

1 May only apply a maximum of 3 hours to the requirement.

B. Broadcast Journalism (22 hrs)
- Complete all of the following: 17 hrs
  - MMC 4802 Contemporary Media Issues and
  - RTV 3260C Single Camera Video Production and
  - RTV 3301 Electronic Journalism I and
  - RTV 3304 Electronic Journalism II and
  - RTV 4320C Television News or

Select from the following: 5 hrs
- JOU 3004 History of American Journalism or
- RTV 3324C Broadcast Announcing and Performance or
- RTV 4322C Advanced TV News or
- RTV 4700 Regulation of Broadcasting or
- RTV 4906 Directed Independent Study or
- RTV 4941 Internship

1 May only apply a maximum of 3 hours to the requirement.

C. Broadcast Generalist (18 hrs)
- Select from the following: 12 hrs
  - ADV 4103 Radio-Television Advertising or
  - CMC 4240 Corporate/Institutional Video or
  - COM 3530 Computer Mediated Communication or
  - MMC 4263 New Media Technologies or
  - RTV 3234C Broadcast Announcing and Performance or

1 May only apply a maximum of 3 hours to the requirement.

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
- COM 3110 Business and Professional Communication or
- ENC 3250 Professional Writing or
- PUR 4000 Public Relations or
- RTV 4503 Sports Programming in Electronic Media 3 hrs

1 May only apply a maximum of 3 hours to the requirement.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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 65 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.

11. Departmental Exit Requirements
- To avoid delaying graduation, you must request a review of 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Advertising-Public Relations
- Digital Media
**Senior Year - Fall**  
15 hrs  
Restricted Elective 3 hrs  
Elective / Minor 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.oenas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oenas.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.  

**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, Gordon Rule, and CLAS or an AA degree from a Florida public community college  
- 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.

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)  
   Required MAC 1140 Pre-Calculus Algebra 3 hrs  
   Required CGS 2100C Computer Fundamentals for Business 3 hrs

   **C: Mathematical Foundations**  
   (6 hrs)  
   Required MAC 1140 Pre-Calculus Algebra 3 hrs  
   Required CGS 2100C Computer Fundamentals for Business 3 hrs

   **D: Social Foundations**  
   (6 hrs)  
   Select 1: Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
   Suggested ECO 2023 Principles of Microeconomics 3 hrs

   **Select 1:**  
   Suggested PSY 2012 General Psychology or 3 hrs
   Suggested SYG 2000 Introduction to Sociology or 3 hrs
   Suggested ANT 2000 General Anthropology or 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

4. Core Requirements: Advanced Level (9 hrs)
- 1 Must be accepted into the UCF Honors in the Major program. See http://www.honors.ucf.edu/ for details.

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
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
MAR 3203 Supply Chain Management 4 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
- RIE 3614 Environmental Issues for Real Estate 3 hrs
- RIE 4103 Real Estate Appraisal and Valuation 3 hrs
- RIE 4203 Commercial Real Estate Finance 3 hrs
- RIE 4204 Residential Real Estate Finance 3 hrs
- RIE 4303 Real Estate Investment Analysis 3 hrs
- RIE 4732 Real Estate Development 3 hrs
- 1 RIE 4903H Honors Directed Readings I 1 hr
- RIE 4941 Internship 1 hr
- 1 RIE 4970H Undergraduate Honors Thesis 1 hr
- RIE 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)
- 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
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

11. Departmental Exit Requirements
- 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 Public Community College 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
- Courses taken at community colleges 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

Sophomore Year - Fall 15 hrs
- Cul-Hist I 3 hrs
- Elective 3 hrs

Junior Year - Fall 15 hrs
- Elective 3 hrs
- Elective 3 hrs

Senior Year - Fall 15 hrs
- Elective 3 hrs
- Elective 3 hrs

Total: 120 hrs
### UCF Degree Programs

#### Religious Studies (B.A.)

**College of Arts and Humanities**

**Department of Philosophy, Psychology Building**, Room: 220  
[http://www.philosophy.cah.ucf.edu](http://www.philosophy.cah.ucf.edu)  
E-mail: religion@mail.ucf.edu  
Dr. Sabatino DiBernardo, sdbema@mail.ucf.edu, 407-823-2273  

**Admission Requirements**
- None  
- 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 Religious Studies may be simultaneously applied to fulfill another major.  

#### Freshman Year - Spring  
15 hrs
- ENC 1102 Composition II 3 hrs  
- CGS 2100C Computer Fundamentals for Business 3 hrs  
- Cull-Mint II 3 hrs  
- Ant/Music/Art Elective 3 hrs  

#### Sophomore Year - Fall  
15 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs  
- ACG 2021 Principles of Financial Accounting 3 hrs  
- Science 3 hrs  
- Psy/Soc/Art Elective 3 hrs  

#### Sophomore Year - Spring  
15 hrs
- ECO 2023 Principles of Microeconomics 3 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  

#### Junior Year - Fall  
14 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs  
- RIE 3043 Fundamentals of Real Estate 3 hrs  
- RIE 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  
- RIE Elective 3 hrs  

#### Senior Year - Fall  
15 hrs
- MAN 3025 Management of Organizations 4 hrs  
- ISM 3011C Essentials of Management Information Systems 4 hrs  
- BUL 3130 Legal and Ethical Environment of Business 4 hrs  
- RIE Elective 3 hrs  

#### Senior Year - Spring  
16 hrs
- MAN 4720 Strategic Management 4 hrs  
- RIE Elective 3 hrs  
- RIE Elective 3 hrs  
- RIE 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)  

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### 1. UCF General Education Program (GEP) (36 hrs)

- **A: Communication 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  

- **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)
  - Required MGF 1106 Finite Mathematics 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

### 2. Common Program Prerequisites (CPP)
- None

### 3. Core Requirements: Basic Level (24 hrs)
- Required REL 2300 World Religions 4 hrs
- Required REL 3131 Religion in America 3 hrs
- Required REL 4941 Internship 1 hr

### 4. Core Requirements: Advanced Level (24 hrs)
- Foundations in the Study of Religion and Humanities (9 hrs)
  - Required REL 3111 Religion and Philosophy Through Film 3 hrs
  - Required REL 3115 Religion and Philosophy Through Literature 3 hrs

### 5. Restricted Electives (9 hrs)

### Applications: Topics and Issues in the Study of Religion (6 hrs)

### Select 1: (6 hrs)

- Required PHI 3033 Philosophy, Religion, and the Environment 3 hrs

### Select 2: (6 hrs)

- Required REL 3340 Buddhist Thought 3 hrs

### Select 3: (9 hrs)

- Required REL 4941 Internship or 1 hr
- Required HUM 3401 Asian Humanities or 3 hrs
- Required HUM 3417 Hindu Thought and Culture or 3 hrs
- Required HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- Required PHI 3672 Animal Ethics or 3 hrs
- Required REL 4180 Religion and Medicine 3 hrs

### Note:
- Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

### 5. Restricted Electives
- Select three courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements):

- Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

### Select 3: (9 hrs)

- Required REL 4941 Internship or 1 hr
- Required HUM 3401 Asian Humanities or 3 hrs
- Required HUM 4301 The Classical Ideal or 3 hrs
- Required PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
UCF Degree Programs

PHI 3629 Family Values or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3684 Ways of Living or 3 hrs
PHM 3020 Philosophy of Love or 3 hrs
PHI 4341 Ways of Knowing or 3 hrs
PHI 4804 Critical Theory or 3 hrs
PHM 3100 Freedom and Justice or 3 hrs
PHP 3786 Existentialism or 3 hrs
AML 3615 Harlem, Haiti, and Havana or 3 hrs
ASH 3222 Islam and Its Empires or 3 hrs
ASH 3223 The Modern Middle East or 3 hrs
JST 3100 The Hebrew Creative Mind or 3 hrs
JST 3125 The Book of Job or 3 hrs
JST 3144 Dead Sea Scrolls or 3 hrs
JST 3450 Modern Jewish Experience or 3 hrs
JST 3550 Introduction of Modernism into Judaism or 3 hrs
JST 3701 History of the Holocaust or 3 hrs
JST 3751 Literature of the Holocaust or 3 hrs
JST 3810 The Jewish National Movement and Roots of Zionism or 3 hrs
LIT 4374 Literature of the Bible or 3 hrs
LIT 3202 Death and Dying 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.
    ■ 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 1 hr
      REL 4810 Senior Research Seminar 3 hrs
      STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
    ■ Must Take:
      REL 4910 Senior Research Seminar 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
 ■ 120

Honors in Major
■ Students considering graduate school in Religious Studies are strongly encouraged to take Honors in the Major.
■ Requirements are as follows:
   Core, Elective Requirements, and Senior Seminar 36 hrs
   ■ Same requirement as for regular majors
   Honors Thesis 6 hrs
      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 Religious Studies GPA of at least 3.5.
■ Successful completion and oral defense of Honors Thesis.
■ Earn a “B” (3.0) or better in the following:
   REL 4903H Honors Directed Readings I 3 hrs
   REL 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
■ Interdisciplinary Studies
■ Philosophy
■ Humanities
■ Religious Studies

Certificates
■ None

Related Minors
■ Humanities
■ Judaic Studies
■ Philosophy
■ Religious Studies

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges 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 16 hrs
   ENC 1102 Composition II 3 hrs
   HUM 2220 Humanistic Tradition II 3 hrs
   STA 1060C 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
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
   GEP 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs

Junior Year - Fall 15 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

Senior Year - Fall 15 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA 292 Undergraduate Catalog 2011-2012
Restricted Elective 3 hrs
Restricted Elective 3 hrs
REL 3340 Buddhist Thought 3 hrs

Senior Year - Spring 15 hrs
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.oaes.ucf.edu/alc/academic_learning_compacts.htm

Rosen College of Hospitality Management
Department of Food-services and Lodging,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu

Dr. Joe Hutchinson, Department Chair
Dr. Abraham Pizam, Dean
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
      Required STA 2023 Statistical Methods I 3 hrs

   D: Social Foundations (6 hrs)
      Select 1: 3 hrs
         Required ECO 2013 Principles of Macroeconomics or
         Required ECO 2023 Principles of Microeconomics 3 hrs

   Select 1: 3 hrs
      Required PSY 2012 General Psychology or
      Required SYG 2000 Introduction to Sociology or
      Required ANT 2000 General Anthropology 3 hrs

   E: Science Foundations (6 hrs)
      Select 1: 3 hrs
         Required FSS 3008 Culture and Cuisine or
         Required STA 2023 Statistical Methods I 3 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
      Required CGS 2100C Computer Fundamentals for Business or GEP
      STA 2023 Statistical Methods I GEP

   Select 1: 3 hrs
      Required 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
   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 4285 Leadership and Strategic Management in Hospitality Industry 3 hrs

Internships 3 hrs
HFT 3940 Internship 1 hr
HFT 4941 Internship 1 hr
HFT 4944 Practicum 1 hr

Restaurant Management Core 18 hrs
FSS 3124 Supply and Procurement Management 3 hrs
HFT 3263 Restaurant Management 3 hrs
HFT 3574 Food Service Marketing Advertising and Promotion Management 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 4135 Corporate Contract and Managed Services Organizations or
      HFT 4343 Hospitality Facilities Planning and Design or
      HFT 4281 Restaurant Leadership Strategies and Tactics or
      HFT 4864 Seminar in Quality Brewing and Fine Beer or
      HFT 4866C Exploring Wines of the World or
      HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

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 residence 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, the CLAS and nine hours of Summer credit (if applicable)
### UCF Degree Programs

#### 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 Public Community College 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
    - SYG 2000 Introduction to Sociology or
    - ANT 2000 General Anthropology

#### 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
    - ECO 2023 Principles of Microeconomics

#### 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 Food Service Marketing Advertising and Promotion Management 3 hrs
  - HFT 3603 Legal Environment in the Hospitality and Tourism Industry Internship 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 1 hr

#### Senior Year - Fall
- **16 hrs**
  - HFT 4286 Hospitality Communications 3 hrs
  - HFT 4944 Practicum 1 hr
  - HFT 4446 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.oecs.ucf.edu/aic/academic_learning_compacts.htm](http://www.oecs.ucf.edu/aic/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**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**


Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

407-823-2561

#### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- 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)
- Select 1: 3 hrs
  - Prefer STA 1060C Explorations in Mathematics 3 hrs
  - Prefer STA 2024C Principles of Statistics 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)** (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
Universtiy of Central Florida

UCF Degree Programs

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

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)
   - Transfer Notes: Courses taken at community colleges 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  4 hrs
   - BSC 2011C Biology II  4 hrs
   - CHM 2045C Chemistry Fundamentals I  4 hrs
   - PSC 1121 Physical Science  1 hr
   - PSC 1121L Physical Science Lab

4. Core Requirements: Advanced Level  (62 hrs)
   - Education Core Requirements  18 hrs
     - Program Internship I Prerequisites: EDF 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 Exam (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 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
     - EDG 4410 Teaching Strategies and Classroom Management
     - EEX 4242 Teaching Exceptional Students in Secondary Settings
     - RED 4043 Content Reading in Kindergarten through Grade 12
     - TSL 4080 Theory and Practice of Teaching ESOL
   - Internship I Block  7 hrs
     - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Exam (FTCE) is required before 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.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
   - 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.)

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve a minimum 2.5 GPA in all courses of 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, the CLAS and nine hours of Summer credit (if applicable)

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
- AMH 2010  U.S. History: 1492-1877
- ENC 1101  Composition I
- MGF 1106  Finite Mathematics
- PSY 2012  General Psychology

Freshman Year - Spring
- AMH 2020  U.S. History: 1877-Present
- ENC 1102  Composition II
- PHI 2010  Introduction to Philosophy
**UCF Degree Programs**

**PSC 1121**  
Physical Science  
3 hrs

**PSC 1121L**  
Physical Science Lab  
1 hr

**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 community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Sophomore Year - Fall**  
14 hrs

**BSC 2010C**  
Biology I  
4 hrs

**CHM 2045C**  
Chemistry Fundamentals I  
4 hrs

**EDF 2005**  
Introduction to the Teaching Profession  
3 hrs

Select 1:  
3 hrs

**STA 2014C**  
Principles of Statistics or  
3 hrs

**STA 1060C**  
Basic Statistics Using Microsoft Excel  
3 hrs

**Sophomore Year - Spring**  
15 hrs

**BSC 2011C**  
Biology II  
4 hrs

**CHM 2205**  
Introduction to Organic and Biochemistry  
5 hrs

**EDF 2085**  
Introduction to Diversity for Educators  
3 hrs

**EME 2040**  
Introduction to Technology for Educators  
3 hrs

**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 Management  
3 hrs

**EDG 4410**  
Teaching Strategies and Classroom  
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

or

- **PCB 3063L**  
Genetics Laboratory  
1 hr

or

- **ZOO 3733C**  
Human Anatomy  
4 hrs

**Junior Year - Spring**  
12 hrs

**MCB 3020C**  
General Microbiology  
5 hrs

**CHM 2046**  
Chemistry Fundamentals II  
3 hrs

**CHM 2046L**  
Chemistry Fundamentals Laboratory  
1 hr

**SCE 4361**  
Programs in Teaching Science  
3 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

**EEV 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.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.ucf.edu/alc/academic_learning_compacts.htm)

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**Science Education - Chemistry (B.S.)**

**College of Education**

**School of Teaching, Learning, and Leadership,**

**Education Building, Room: 209**


Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430  
407-823-2561

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- 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)

   - **A: Communication Foundations**  
   (9 hrs)
   - Required  
   - **B: Cultural & Historical Foundations**  
   (9 hrs)
   - Prefer  
   - **C: Mathematical Foundations**  
   (6 hrs)
   - Required  
   Select 1:  
   - **D: Social Foundations**  
   (6 hrs)
   - Prefer  
   - **E: Science Foundations**  
   (7 hrs)
   - Required  
   1 Required  
   1 Required

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
   - **EDF 2085**  
   Introduction to Diversity for Educators  
   3 hrs
   - **EME 2040**  
   Introduction to Technology for Educators  
   3 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**  
(8 hrs)

   - **EDF 2130**  
   Child and Adolescent Development for Educators  
   3 hrs
   - **CHM 2045C**  
   Chemistry Fundamentals I  
   4 hrs
6. Capstone Requirements

Rule 6A-5.066. the pre-professional level in accordance with State Board of Education demonstrate proficiency in all 12 Florida Educator Accomplished Practices at dates and applications are available through the Office of Clinical ly recommended prior to entry into Internship II. portion of the Florida Teacher Certification Examination (FTCE) is strong-

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 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 recommend- ed 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.
  - SCE 4941 Internship 12 hrs
  - SCE 3940 Internship 3 hrs

Specialization Requirements 29 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - PHY 2053C College Physics I 4 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/
## UCF Degree Programs

### Sophomore Year - Spring
- **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
- **EDF 2130** Child and Adolescent Development for Educators 3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

### Junior Year - Fall
- **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
- **CHM 2211** Organic Chemistry II 3 hrs
- **CHM 2211L** Organic Laboratory Techniques I 2 hrs
- **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
- **SCE 4361** Programs in Teaching Science 3 hrs

### Junior Year - Summer
- **TSL 4080** Theory and Practice of Teaching ESOL 3 hrs

### Senior Year - Fall
- **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
- **SCE 4941** Internship 12 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Science Education - Physics (B.S.)

#### College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209

**http://education.ucf.edu/science/**

Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

**http://education.ucf.edu/science/**

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- 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 requirement 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
- **Preferred** 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 2311 Calculus with Analytic Geometry I 4 hrs

Select 1:
- **Preferred** STA 1060C Basic Statistics Using Microsoft Excel or
- **Preferred** STA 2014C Principles of Statistics 3 hrs

#### D: Social Foundations (6 hrs)
- **Preferred** POS 2041 American National Government 3 hrs
- **Preferred** PSY 2012 General Psychology 3 hrs

#### E: Science Foundations (6 hrs)
- **Required** PSC 1121 Physical Science 3 hrs

Select 1:
- **Preferred** ANT 2511 The Human Species or
- **Preferred** BSC 1005 Biological Principles 3 hrs

1 A grade of “C-” (1.75) or better is required.

2. **Common Program Prerequisites (CPP)** (9 hrs)
- See “Common Prerequisites” in the Transfer and Transition Services section for more information.
- **Required** EDF 2130 Child and Adolescent Development for Educators 3 hrs
- **Required** EDF 2085 Introduction to Diversity for Educators 3 hrs
- **Required** EME 2040 Introduction to Technology for Educators 3 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** (8 hrs)
- **EDF 2130** Child and Adolescent Development for Educators 3 hrs
- **PHY 2048C** Physics for Engineers & Scientists I 4 hrs
- **PSC 1121** Physical Science 3 hrs
- **PSC 1121L** Physical Science Lab 1 hr
- **MAC 2311** Calculus with Analytic Geometry I 3 hrs
- **MAC 2311L** Calculus with Analytic Geometry I 3 hrs

4. **Core Requirements: Advanced Level** (66 hrs)
- **EDF 4467** Learning Theory and Assessment 3 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
12. University Minimum Exit Requirements

Examination.

requires demonstration of professional growth, reflection, and proficiency.

11. Departmental Exit Requirements

10. Required Minors

9. Additional Requirements

8. Electives

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

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

A 2.0 UCF GPA

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, the CLAS and nine hours of Summer credit (if applicable)

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 (120 hrs)

Freshman Year - Fall

AMH 2010  U.S. History: 1492-1877

ENC 1101 Composition I

PSY 2012 General Psychology

Select 1: 3 hrs

STA 1060C Basic Statistics Using Microsoft Excel or

STA 2014C Principles of Statistics

Freshman Year - Spring

AMH 2020  U.S. History: 1877-Present

MAC 2311 Calculus with Analytic Geometry I

SPC 1608 Fundamentals of Oral Communication

ENC 1102 Composition II

PHI 2010 Introduction to Philosophy

Freshman Year - Summer

POS 2041 American National Government

MAC 2312 Calculus with Analytic Geometry II

Sophomore Year - Fall

EDF 2085 Introduction to the Teaching Profession

PSC 1122 Calculus with Analytic Geometry III

PSC 1121L Physical Science Lab

Select 1: 3 hrs

ANT 2511 The Human Species or

BSC 1005 Biological Principles

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Spring

CHM 2045C Chemistry Fundamentals I

EDF 2130 Child and Adolescent Development for Educators

EDF 2088 Introduction to Diversity for Educators

EME 2040 Introduction to Technology for Educators

Sophomore Year - Summer

PHY 2048C Physics for Engineers & Scientists I

Junior Year - Fall

CHM 2046 Chemistry Fundamentals II

CHM 2046L Chemistry Fundamentals Laboratory

EEX 4242 Teaching Exceptional Students in Secondary Settings

EDG 4410 Teaching Strategies and Classroom Management

TSL 4080 Theory and Practice of Teaching ESOL in Schools
**UCF Degree Programs**

**Social Science Education (B.S.)**

**College of Education**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**

[http://education.ucf.edu/ssed/](http://education.ucf.edu/ssed/)

Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766

Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university.
- 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 Florida Teacher Certification Examination (FTCE) requirements.

**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)

<table>
<thead>
<tr>
<th>Required</th>
<th>ENC 1101 Composition I</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer</td>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

   **B: Cultural & Historical Foundations** (9 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:  | STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics | 3 hrs |

2. **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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

3. **Specialization Requirements** (30 hrs)

   - GEO 3471 World Political Geography | 3 hrs
   - ECO 2023 Principles of Microeconomics | 3 hrs
   - EUH 2009 Western Civilization I | 3 hrs
   - EUH 2001 Western Civilization II | 3 hrs

4. **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.

   **Education Core Requirements** (18 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)

   - 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.

   **Internship I** (30 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)
   - EEX 4241 Teaching Exceptional Students in Secondary Settings (3 hrs)
   - RED 4043 Content Reading in Kindergarten through Grade 12 (3 hrs)

   **Specialization Requirements** (30 hrs)

   - GEO 3471 World Political Geography (3 hrs)
   - ECO 2023 Principles of Microeconomics (3 hrs)
   - EUH 2009 Western Civilization I (3 hrs)
   - EUH 2001 Western Civilization II (3 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/clinicalexpo/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level 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 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, the CLAS and nine hours of Summer credit (if applicable)

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
- BSC 1006 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 2055 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 1060C Basic Statistics Using Microsoft Excel or
- 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
- EDF 2130 Child and Adolescent Development for Educators 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, AMH, ASH, LAH 3/4XXX) 3 hrs

Junior Year - Spring 12 hrs
- SSE 4361 Social Science Instructional Analysis 4 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 12 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) 3 hrs

1 Transfer Notes: Courses taken at community colleges 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 3 hrs
- Political Science Elective (CPO, INR, POS 3/4XXX) 3 hrs

Senior Year - Summer 3 hrs
- PSY 2012 General Psychology 3 hrs

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
- BSC 1006 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 2055 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 1060C Basic Statistics Using Microsoft Excel or
- 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
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.
UCF Degree Programs

Social Sciences (B.S.)
College of Sciences
Department of Sociology, Howard Phillips Hall,
Room: 403
http://sociology.ucf.edu/
E-mail: sociology@mail.ucf.edu
Dr. H. Corzine
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, cultural theory, 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.
■ 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 SPC 1603 Fundamentals of Technical Presentations or Preference COM 1000 Introduction to Communication 3 hrs
2 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 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.
Preferred MGF 1107 Explorations in Mathematics 3 hrs
D: Social Foundations (6 hrs)
Select the following course: 3 hrs
Required POS 2041 American National Government 3 hrs

Select one of the following, depending on the 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 3070 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
■ Met by graduation requirement

Graduation
■ Proficiency equivalent to one year of college instruction in either a foreign language, two semesters equivalent of American Sign Language, or one course with a multicultural dimension. 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 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
Interpersonal/Organizational Communication
Mass Communication
Medical Anthropology
North American Indian Studies
Political Science
### Related Programs
- Anthropology
- Economics
- Political Science
- Psychology
- Public Administration
- Sociology

### Certificates
- None

### Related Minors
- Anthropology
- Interpersonal/Organizational Communication
- Economics
- Political Science
- Psychology
- Public Administration
- Sociology

### Advising Notes
- Students should seek advising in the Sociology department.

### Transfer Notes
- Lower Division courses taken at community colleges 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.

#### Freshman Year - Fall
- **16 hrs**
  - ENC 1101  Composition I  3 hrs
  - Foreign Language  4 hrs
  - MGF 1107  Explorations in Mathematics  3 hrs
  - GEP  3 hrs
  - GEP  3 hrs

#### Sophomore Year - Fall
- **13 hrs**
  - Elective / Minor  3 hrs
  - GEP  4 hrs

#### Junior Year - Fall
- **15 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
  - Free Elective  3 hrs

#### Senior Year - Spring
- **15 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.oelas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $11 per term
- Full-Time Student: $22 per term

### Social Work (B.S.W.)

**College of Health and Public Affairs**

**School of Social Work, Health and Public Affairs I**, Room: 204

[http://www.coha.ucf.edu/social/](http://www.coha.ucf.edu/social/)

E-mail: **socialwk@mail.ucf.edu**

John Ronnau, Director
Robin Kohn, Undergraduate Program Coordinator
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 State Community College) or UCF General Education Program, Gordon Rule, and CLAS
  - 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.
UCF Degree Programs

- 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 pursuing 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, the CLAS 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
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     Select 1:
     Suggested STA 2014C Principles of Statistics 3 hrs
     Suggested STA 2023 Statistical Methods I 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:
     Prefer PSC 1121 Physical Science 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 3 hrs
- BSC 1005 Biological Principles 3 hrs
- PSY 2012 General Psychology 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (45 hrs)
   - SOW 3104 Assessing I: Human Development 3 hrs
   - SOW 3203 Social Work & Community Resources 3 hrs
   - SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs
   - SOW 3111 Assessing II: Human Systems 3 hrs
   - SOW 3532 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

Foreign Language or Cultural Diversity Requirement (6 hrs)
- Choose two of the following suggested courses
  - ANT 3311 Indians of the Southeastern United States 3 hrs
  - ANT 3331 Indians of North America High Plains 3 hrs
  - ANG 2011 Brazilian Portuguese 3 hrs
  - ANG 2012 Brazilian Portuguese 3 hrs
  - SPA 1010 Spanish I 3 hrs
  - SPA 1020 Spanish II 3 hrs
  - SPA 2101 Spanish III 3 hrs

5. Restricted Electives (3 hrs)
- Select three 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 or Foreign Language 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
UCF Degree Programs

- 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, the CLAS and nine hours of Summer credit (if applicable)

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
- American Humanics
- Non-Profit Management/American Humanics National Certification Program

Advising Notes
- None

Transfer Notes
- Community College Equivalent courses for prerequisites: any course in the following areas (3 hrs each): American Government or American National Government; Biology (Human Biology or Anatomy & Physiology); Economics (Microeconomics or Macroeconomics); Introductory Psychology; Introductory Sociology; Principles of Statistics

Acceptable Substitutes for Transfer Courses
- None

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 1212 General Psychology 3 hrs

**Freshman Year - Spring**
- 15 hrs
- ENC 1102 Composition II 3 hrs
- STA 2044C 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 or 3 hrs
- Select 1: 3 hrs
- MUL 1010 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

**Sophomore Year - Spring**
- 15 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Select 1:
- 3 hrs
- CHM 1002 Concepts in Chemistry or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- AST 2002 Astronomy 3 hrs

**Junior Year - Fall**
- 15 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 - Summer**
- 6 hrs
- SOW 3104 Assessing I: Human Development 3 hrs
- SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs
- SOW 3620 Social Work with Diverse Populations 3 hrs
- SOW Elective 3 hrs

**Junior Year - Fall**
- 15 hrs
- SOW 3104 Assessing I: Human Development 3 hrs
- SOW 3303 Social Work & Community Resources 3 hrs
- SOW 3390 Practice I: Generalist Practice in Social Work 3 hrs
- Restricted Elective 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 or 9 hrs
- 2 SOW 4941 Internship 5 hrs
- 1 SOW 4522 Field Education Seminar or 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

UNIVERSITY OF CENTRAL FLORIDA
305 Undergraduate Catalog 2011-2012
Sociology Degree Programs

UCF Degree Programs

Sociology (B.A.)
College of Sciences
Department of Sociology
http://sociology.ucf.edu/
E-mail: sociology@mail.ucf.edu
Dr. J. Corzine, hcorzine@ucf.edu
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 the environment, crime and deviance, popular culture, and changes in the family. The department offers 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 the environment, crime and deviance, popular culture, and changes in the family. The department offers 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 the environment, crime and deviance, popular culture, and changes in the family.

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.
- 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 (36 hrs)
   SYG 2000 Introduction to Sociology GEP/CPP

4. Core Requirements: Advanced Level (12 hrs)
   SYA 4300C Research Methods 4 hrs
   SYA 4450 Data Analysis 4 hrs
   SYA 3110 Social Theory 3 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 3120 Contemporary Social Theory 3 hrs
   - 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 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
   - SYP 4514 Patterns of Violence in Society 3 hrs
   - SYO 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.
  - SYA 3940 Internship or 3 hrs
  - SYA 4941 Internship or 3 hrs
  - SYA 5944 Internship 3 hrs
  - All special topics courses with the prefixes SYA, SYD, SYO, or SYP

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.
Freshman Year - Spring 16 hrs
ENC 1101 Composition I  3 hrs
STA 2014C Principles of Statistics  3 hrs
Free Elective  3 hrs
Foreign Language  4 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  3 hrs
Restricted Elective  3 hrs
Free Elective  3 hrs
Junior Year - Fall 14 hrs
Restricted Elective  3 hrs
SYA 4300C Research Methods  4 hrs
Restricted Elective  3 hrs
SYA 3400C Applied Social Statistics  4 hrs
Junior Year - Spring 14 hrs
Free Elective  3 hrs
SYA 3110 Social Theory  3 hrs
SYA 4450 Data Analysis  4 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
Free 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.oeas.ucf.edu/alc/academic_learning_comapcts.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://mil.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano
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.
UCF Degree Programs

- Students must earn at least a “C” (2.0) in each upper division Spanish 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 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)
       1. Prefer MGF 1106 Finite Mathematics 3 hrs
       2. Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

2. Common Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transition 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

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

5. Restricted Electives (21 hrs)

Select one of the following 3 hrs
- FOL 3730 Romance Philology
- SPN 4801 Spanish Morphosyntax
- SPN 4800 Spanish-American Syntax
- SPN 4780 Spanish Phonetics
- SPN 3852 Bilinguismo

Spanish literature beyond the survey level
- taught in Spanish Culture and Civilization 3 hrs

Select 1: 3 hrs
- SPN 4510 Spanish Civilization and Culture or
- SPN 4520 Latin American Civilization and Culture

Spanish courses 9 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
- Met by Graduation requirements.
Graduation
- Met by Common Program Prerequisites.
Electives
- Select primarily from upper-level courses after meeting with a departmental advisor. Courses may be outside the department.
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 Computer Science 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, the CLAS and nine hours of summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- French
- Modern Language Combination

Certificates
- None

Related Minors
- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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 1060C 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
AH 2050 History of Western Art I 3 hrs
POS 2041 American National Government 3 hrs
SPC 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 3700 Advanced Spanish Oral Communication 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

Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Sport and Exercise Science (B.S.)
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/sportsexscience
Dr. Jay Hoffman, ED 320H, jhoffma@mail.ucf.edu
The Sport and Exercise Science BS program is offered at the UCF Orlando and UCF South Lake ( Clermont) Campuses. The program prepares students for positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. The program 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). Students select from one of two areas of specialization: Sport Leadership or Exercise Science. Within the Sport Leadership specialization, students select either a Coaching or Recreational option, while students interested in Exercise Science specialization, select one of three options: Human Performance, Strength and Conditioning, or Children’s Physical Activity and Movement. While in the program, students are encouraged to complete professional certification(s) within their specialization. Students are provided with a mix of course content and practical field and laboratory experiences.

Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college, state college or university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.5 overall GPA.
- Meet the University CLAS requirement.
- 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 2.5.
- Prior to participation in Sport and Exercise Science Practicum, students must have achieved admission into one of the two areas of specialization.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete departmental application and approval process of the organization with which they will be working.

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 1108 Finite 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 (7 hrs)
Required BSC 2010C Biology I 4 hrs
Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (18 hrs)
Core Requirements for Sport and Exercise Science: 18 hrs
PET 2694 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
PET 4351C Exercise Physiology 3 hrs
PET 4550C Assessment and Evaluation in Exercise Science 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
- Select one Specialization below: Sport Leadership OR Exercise Science
- Select Electives- approved by advisor

A. Sport Leadership Specialization
A1. Coaching (36 hrs)
ATR 2010C Athletic Injuries: Mechanisms and 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

B. Exercise Science Specialization
B1. Human Performance (36 hrs)
B2. Strength and Conditioning (36 hrs)
B3. Children's Physical Activity and Movement (36 hrs)
Select four courses from the following list (must see advisor)

- SPM 3204  Sports and Ethics  3 hrs
- SPM 3415  Public Relations in Sport and Exercise Science  3 hrs
- PET 3768  Group Exercise Instruction  3 hrs
- PET 3771  Strength and Conditioning Concepts  3 hrs
- PET 4215  Motivational Aspects of Athletic Performance  3 hrs
- EEC 3700  Social and Emotional Development of Young Children  3 hrs
- EEC 4303  Planning Creative Activities in Early Childhood Education  3 hrs
- EEC 4604  Classroom Management and Guidance of Young Children  3 hrs
- EEC 4661  Early Childhood Education Theory and Practice  3 hrs

5. Restricted Electives

- None

6. Capstone Requirements (12 hrs)

   - Select 1: 9 hrs
     - PET 4926  Sport and Exercise Science Practicum or
     - Take 3 additional electives in the program approved by the advisor

   - A. For Sport Leadership majors OR B. For Exercise Science majors
     - 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 students with actual professional experiences and practical hands-on knowledge of the career in which they hope to work. The students will be working directly with a Placement Coordinator in the organization and their University Supervisor. The University Supervisor will maintain periodic contact with the Placement Coordinator to check performance status.
     - The students will be instructed that they will be representing not only themselves while on site during their Practicum experiences, but also the University of Central Florida and the Program. Professionalism in manner, dress and job performance will be expected at all times. Shoud there be any question of the performance of the students during their practicum experience, they will be required to meet with their University 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 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 (14 hrs)

   - (14-34 hrs) Students have the opportunity to add additional courses within the major to strengthen their learning experience, perform a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate work in medicine, physical therapy and other allied health graduate programs.

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, the CLAS and nine hours of Summer credit (if applicable)

   - Total Semester Hours Required
     - 120
   - Honors In Major
     - None
   - Related Programs
     - None
   - Certificates
     - None
## UCF Degree Programs

### Undergraduate Catalog 2011-2012

### Related Minors
- Coaching
- Fitness Training
- Recreation

### Advising Notes
- None

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study (120 hrs)

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSY 2012 General Psychology 3 hrs
- Elective 3 hrs

#### Freshman Year - Spring
- 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
- PET 2084 Introduction to Sport and Exercise Science 3 hrs
- GEP B.1 3 hrs
- Elective 6 hrs

#### Sophomore Year - Spring
- PET 3097 Health and Wellness 3 hrs
- GEP B.1 3 hrs
- Specialization or Elective 9 hrs

#### Junior Year - Fall
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- PET 4351C Exercise Physiology 3 hrs

#### Junior Year - Spring
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- Specialization/Elective courses 12 hrs

#### Senior Year - Fall
- Specialization/Elective courses 15 hrs

#### Senior Year - Spring
- PET 3137 Concepts and Practices in Sport and Exercise Science 3 hrs

#### Senior Year - Summer
- Specialization course 3 hrs

### Exercise Science (118 hrs)

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSY 2012 General Psychology 3 hrs
- Elective 3 hrs

#### Freshman Year - Spring
- 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

### Statistics (B.S.)

#### College of Sciences

#### Department of Statistics, Computer Center II,
Room: 212


#### E-mail: statistics@ucf.edu
Dr. David Nickerson, 407-823-5528
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.
- 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.

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### 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
### UCF Degree Programs

- 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.

#### 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.

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>(7 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td>MAC 2311 Caluclus with Analytic Geometry I</td>
</tr>
<tr>
<td>Required</td>
<td>STA 2023 Statistical Methods I</td>
</tr>
</tbody>
</table>

**D: Social Foundations** (6 hrs)

- Economics 3 hrs

**E: Science Foundations** (8 hrs)

- Required | MAC 2311 Calculus with Analytic Geometry I | GEP |
- Required | MAC 2312 Calculus with Analytic Geometry II | GEP |
- Required | MAC 2313 Calculus with Analytic Geometry III | GEP |
- Required | STA 2023 Statistical Methods I | GEP |

#### 2. Common Program Prerequisites (CPP) (15 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information, including some possible substitutes.

**3. Core Requirements: Basic Level**

| STA 2023 Statistical Methods I | GEP/PP |
| MAC 2311 Calculus with Analytic Geometry I | GEP/PP |
| MAC 2312 Calculus with Analytic Geometry II | GEP/PP |
| MAC 2313 Calculus with Analytic Geometry III | GEP/PP |
| BSC 2010C Biology I | GEP |

#### 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 1:**
- MAS 3105 Matrix and Linear Algebra or | 4 hrs |
- MAS 3106 Linear Algebra | 4 hrs |

**Select 1:**
- COT 3100C Introduction to Discrete Structures or | 3 hrs |
- MHF 3302 Logic and Proof in Mathematics | 3 hrs |

**Select 4:**
- STA 3096 Statistical Graphics | 3 hrs |
- STA 4173 Biostatistical Methods | 3 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 4222 Sample Survey Methods | 3 hrs |
- STA 4502 Nonparametric Statistical Methods | 3 hrs |
- STA 4504 Categorical Data Analysis | 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.

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.

9. Additional Requirements

10. Required Minors

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.
- Before applying to graduate, the CLAS must be completed satisfactorily.

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

**Total Semester Hours Required**

- 120

**Honors In Major**
- None

**Related Programs**
- Mathematics - Applied Track
- Mathematics Education

**Certificates**
- None

**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 taken at community colleges 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 is 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://mathplacement.sdes.ucf.edu/

<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>13 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Freshman Year - Spring</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Select one course:</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2053C College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td>16 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 4163 Statistical Methods II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Sophomore Year - Spring</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>COP 3223 Introduction to Programming with C</td>
<td>3 hrs</td>
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<tr>
<td>Core Course</td>
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<td>3 hrs</td>
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<tr>
<td>STA 4164 Statistical Methods III</td>
<td>3 hrs</td>
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<tr>
<td><strong>Junior Year - Fall</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>STA 4321 Statistical Theory I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Core Course</td>
<td>3 hrs</td>
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<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Junior Year - Spring</strong></td>
<td>16 hrs</td>
</tr>
<tr>
<td>STA 4322 Statistical Theory II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Senior Year - Fall</strong></td>
<td>15 hrs</td>
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<tr>
<td>COT 4500 Numerical Calculus</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4102 Computer Processing of Statistical Data</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3241 Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Take SOA EXAM P (Probability).</td>
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<tr>
<td><strong>Senior Year - Spring</strong></td>
<td>15 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Technical Education and Industry Training (B.S.)
College of Education
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, jwhitema@mail.ucf.edu, 407-325-6293 407-823-2848

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distnb.ucf.edu/home.

Admission Requirements
- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida community college or state university)
- Have a minimum 2.5 overall GPA
- Meet the University CLAS or CLAS alternative criteria
- 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 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 Role of the Vocational Teacher | 3 hrs
   - ECT 3365 General Methods/Testing Evaluation in Career & Technical Education | 3 hrs
   - ECT 3367 Evaluation of Vocational 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 Vocational Education  3 hrs
Select 1:  
  BTE 4410  Course Construction in Business Education  3 hrs
  or  
  ECW 3312  Course Construction in Health Occupations Education  3 hrs
  or  
  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  (15 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, the CLAS and nine hours of Summer credit (if applicable)
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:  
  STA 1060C  Basic Statistics Using Microsoft Excel or
  STA 2014C  Principles of Statistics  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:  
  ECW 3312  Course Construction in Health Occupations Education  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 Role of the Vocational Teacher  3 hrs
  ECT 3367  Evaluation of Vocational 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 Vocational Education  3 hrs
  Upper Division Electives  6 hrs
Senior Year - Spring  12 hrs
  ECT 4941  Internship  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.o eas.ucf.edu/alc/academic_learning_compacts.htm

UCF Degree Programs
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.
- 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 Conservatory 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, 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 into the Florida Public University/Community College System.
- Design & Technology Students are required to take at least two levels of one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level of 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 taken 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.

A: Communication Foundations
- Cultural & Historical Foundations (9 hrs)
- Theatre (B.F.A.)
- College of Arts and Humanities
- Department of Theatre, Performing Arts Center
- Room: T211
- http://www.theatre.ucf.edu
- E-mail: theatre@mail.ucf.edu
- Be Boyd, Coordinator: Acting, bboyd@mail.ucf.edu
- Bert Scott, Coordinator: Design & Technology, hscott@mail.ucf.edu
- 407-823-2862
- hscott@mail.ucf.edu
- Be Boyd, Coordinator: Acting, bboyd@mail.ucf.edu
- Admission Requirements
- Exceptions must be approved by the Undergraduate Coordinator.
- 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.
- 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 Conservatory 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, and the final one can be chosen by the student.
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- Design & Technology Students are required to take at least two levels of one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level of 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 taken 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)
- Cultural Foundations (9 hrs)
- Historical Foundations (9 hrs)

UCF Degree Programs
### UCF Degree Programs

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)
- Required: MGF 1106 Finite Mathematics (3 hrs)
- Required: STA 1060C Basic Statistics Using Microsoft Excel (3 hrs)

1. (May substitute for a higher level math)

#### 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.
- The 2020 Survey of Theatre for Majors (3 hrs)
- THE 2304 Script Analysis (3 hrs)
- THE 2090L Theatre Participation-Management I (1 hr)
- TPP 2710C Acting I - Introduction or TPP 2101 Fundamentals of Acting (3 hrs)

#### Technical Theatre Production or Stagecraft I
- Acting Specialization take Acting I. Design & Technology and Stage Management take Fundamentals of Acting.
- TPP 2110C Acting I - Introduction or TPP 2101 Fundamentals of Acting (3 hrs)
- TPA 2220L Theatre Participation-Production I (1 hr)
- TPP 3310C Directing for Theatre I (3 hrs)

#### Technical Theatre Production or Stagecraft I
- Acting Select Technical Theatre Production sequence. Design & Technology and Stage Management select Stagecraft I.
- TPA 2201C Technical Theatre Production and TPA 2201L Technical Theatre Production Lab (2 hrs)
- or TPA 2210C 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 2211C 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 (DAADAM, 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 (0 hrs)
- THE 4954 Theatre Exit Critique (0 hrs)

### 4. Core Requirements: Advanced Level (64 hrs)
- Specialization: select one area

#### Acting Specialization (61 hrs)
- TPP 2248C Makeup Techniques and (2 hrs)
- DAA 2200C Ballet I and (2 hrs)
- TPP 2710C Voice Production I and (2 hrs)
- TPP 3172C 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)

#### Design & Technology Specialization (64 hrs)
- ARH 2051 History of Western Art II and (3 hrs)
- TPP 2101C Technical Theatre Production I and (1 hr)
- TPP 2210L Stagecraft I and (3 hrs)
- TPP 2220L Stagecraft II and (3 hrs)
- TPP 2230C Stage Management Basics and (3 hrs)
- TPP 2301C Stage Management and (3 hrs)
- TPP 2400C Theatre Participation-Performance II and (1 hr)
- TPP 2400L Theatre Participation-Performance II and (1 hr)
- TPP 3195L Summer Theatre Studio/Design I and (3 hrs)
- TPP 3197L Summer Theatre Studio/Design II and (3 hrs)
- THE 2848 Period Costume, Architecture, and Decor (3 hrs)
- TPP 4400C Theatre Management and (3 hrs)
- TPP 4220C Stage Management Basics and (3 hrs)
- TPP 4260C Stage Management and (3 hrs)
- TPP 4293L Stagecraft I and (1 hr)
- TPP 4295L Stagecraft II and (1 hr)
- TPP 4513L Stagecraft III and (1 hr)
- TPP 4940L Theatre Internship and (3 hrs)

#### Design Electives (see list of courses, choose three) (9 hrs)

### 5. Restricted Electives
- (except where required for a specialization - see specializations for credit hours)
- 1. This course is taken twice
11. Departmental Exit Requirements

- Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.
- Maintain a “B” Theatre GPA (3.0) or better
- Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.

12. University Minimum Exit Requirements

- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

129

Honors in Major

None

Related Programs

- Film
- Music
- Theatre Studies

Certificates

None

Related Minors

- Theatre
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

Advising Notes

None

Transfer Notes

- Courses taken at community colleges 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 2081 is a required course taught in conjunction with THE 2020. You must take THE 2081 at UCF. Some students with a transfer substitution choose to take THE 2081 at UCF.
  - THE 2081 is a required course taught in conjunction with THE 2020 at UCF.
- THE 2304 May use any introductory Theatre Play or Stagecraft course. Lab will still need to be taken.
- TP 2210 may be substituted with any introductory Stagecraft course.

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
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 who 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 Conservatory 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 departmental 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 Public University/Community College 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
   Select one course from 1.B.1 list
   Select one course from 1.B.1 or 1.B.2 list

2. Mathematical Foundations (6 hrs)
   1 Prefer MGF 1106 Finite Mathematics
   1 Prefer STA 1060C Basic Statistics Using Microsoft Excel
   (May substitute a higher math)

3. Social Foundations (6 hrs)
4. Science Foundations (6 hrs)
5. 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
   1 THE 2090L Theatre Participation-Management I
   1 TPA 2290L Theatre Participation-Production I
   1 TPA 2201 Technical Theatre Production
   1 TPA 2201L Technical Theatre Production Lab
   1 TTP 3310C Directing for Theatre I
   1 TPP 2110C Acting I - Introduction
   1 TPP 2170C Acting II - The Actor Prepares
   Theatre Elective (THE, TTP, TPA prefix)

3. Core Requirements: Basic Level (20 hrs)
   MUT 1121 Music Theory and Musicianship I
   MUT 1122 Music Theory and Musicianship II
   DAA 2200C Ballet I
   DAA 2201C Ballet II
   DAA 2570C Jazz Dance I
   DAA 2571C Jazz Dance II
   DAA 2520C Tap Dance I
   TPA 2245C Makeup Techniques
   THE 2081C Introduction to UCF Theatre
   (May substitute a higher level)

UCF Degree Programs
### 4. Core Requirements: Advanced Level (50 hrs)

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<th>Course Title</th>
<th>Credits</th>
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<td>Acting III - Building the Character</td>
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<td>TPP 4140C</td>
<td>Acting IV - Creating the Role</td>
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<td>TPP 3252</td>
<td>Musical Theatre Acting II</td>
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<td>Musical Theatre History I</td>
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<td>THE 4245</td>
<td>Musical Theatre History II</td>
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<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
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<td>Musical Theatre Voice III</td>
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<td>1 TPP 4746C</td>
<td>Musical Theatre Repertoire</td>
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<td>Theatre Internship</td>
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<td>TPP 4253C</td>
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<td>TPP 4223C</td>
<td>Theatre Careers for Performance</td>
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<tr>
<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>0 hrs</td>
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</table>

#### Select 1:
- (1 credit course, must be taken twice)
  - TPA 4293L Theatre Participation-Production I or
  - THE 4093L Theatre Participation-Management I or
  - TPP 4193L Theatre Participation-Performance I

#### Select 1:
- (2 hr class must be taken twice)
  - TPP 4531C Period Movement or
  - TPP 4512C Stage Combat

### 5. Restricted Electives (1 hr)

- Chosen from the following:
  - DAN 3134 Dance History I
  - DAA 3812 Dance Improvisation/Composition I
  - DAA 2100C Modern Dance I
  - DAA 3684 Dance Performance
  - DAA 2521C Tap Dance I
  - DAA 3524C Tap Dance II
  - DAA 3208C Ballet I
  - DAA 2101C Modern Dance II
  - DAA 3108C Modern Dance III
  - DAA 2393C World Dance
  - DAA 3645 Choreography Practicum
  - TPP 4730C Dialects
  - TPP 4142C Acting Verse
  - TPP 4265C Camera Acting
  - TPP 4268C Acting VII Advanced Acting For TV/Film
  - THE 4223D Cultural Diversity in Theater
  - 1 THE 5307 Contemporary Theatre Practice
  - TPA 3195L Summer Theatre Studio/Design I
  - TPA 3197L Summer Theatre Studio/Design II
  - TPA 3197L Summer Theatre Performance
  - TPA 3952L Summer Studio Performance
  - TPP 4143C Acting Styles
  - 1 TPA 2600 Stage Management Basics
  - TPA 4400 Theatre Management
  - THE 4284 Period Costume, Architecture, and Decor I
  - THE 4285 Period Costume, Architecture, and Decor II
  - TPP 4221 Auditioning
  - THE 3313 Theatre History and Dramatic Literature III
  - 1 TPP 4311C Advanced Directing for Theatre
  - THE 4093L Theatre Participation-Management II
  - TPA 4293L Theatre Participation-Production II
  - TPP 4193L Theatre Participation-Performance II
  - TPA 3651 Stage Management
  - TPP 4512C Stage Combat
  - TPP 4243C Circus Arts
  - THE 4423 Women in Theatre
  - THE 4543 Theatre for Social Change
  - THE 4912 Global Theatre
  - THE 3383 Taboo Theatre: Sex & Violence on Stage
  - THE 2250 Sex, Drugs, & the Rock and Roll Musical

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### Acceptable Substitutes for Transfer Courses

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 “B” Theatre GPA (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.

### 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 129

## Honors in Major

- None

## Related Programs

- Music
- Film - Cinema Studies
- Theatre
- Dance

## Certificates

- None

## Related Minors

- None

## Transfer Notes

- Courses taken at community colleges 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 4093L Theatre Participation-Management II or
  2. THE 4093L Theatre Participation-Production II or
  3. THE 4093L Theatre Participation-Performance II

- Other THE, TPA, TPP, DAA or DAN courses not already required and as approved by the department requires instructor and departmental approval in advance.

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**University of Central Florida**

319  Undergraduate Catalog 2011-2012
UCF Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>THE 2304</td>
<td>Script Analysis</td>
<td>3 hrs</td>
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<tr>
<td>TPA 2201</td>
<td>Technical Theatre Production</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 3310C</td>
<td>Directing for Theatre I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.oeas.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, University Tech Center,
Room: 180
http://www.theatre.cah.ucf.edu/
E-mail: jwshafer@mail.ucf.edu

John Shafer
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 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 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.

Note: Students must follow the most recent department student handbooks and catalogs. Students may also use additional participation credits as 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. UC 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
Select one course from 1.B.2 list

C: Mathematical Foundations (6 hrs)

1 Prefer MGF 1106 Finite Mathematics 3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel 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 3 hrs
THE 2304 Script Analysis 3 hrs
THE 2090L Theatre Participation-Management I 1 hr
TPP 2200L Theatre Participation-Production I 1 hr
TPP 2201L Technical Theatre Production 2 hrs
TPP 2201L Technical Theatre Production Lab 1 hr
TPP 3310C Directing for Theatre I 3 hrs
TPP 2700C Stage Speech/Voice 3 hrs
TPP 2101 Fundamentals of Acting 3 hrs
Theatre Elective (THE, TPP, TPA Prefix) 3 hrs

3 TPA 4293L Theatre Participation-Production II 1 hr
TPP 4143C Acting Styles 3 hrs
THE 3082 Theatre Careers 3 hrs
THE 3240 Musical Theatre Survey 3 hrs
THE 3240 Musical Theatre Survey 3 hrs
TPP 3264C Acting on Camera 3 hrs
THE 2025 Introduction to Theatrical Design 3 hrs
THE 3240 Musical Theatre Survey 3 hrs

Cultural Diversity in Theater 1 hr
TPP 4930L Theatre Participation-Management II 3 hrs
TPP 4930L Theatre Participation-Production II 1 hr

4 Core Requirements: Advanced Level (10 hrs)

THE 3313 Theatre History and Dramatic Literature I 3 hrs
THE 3313 Theatre History and Dramatic Literature II 3 hrs
THE 3313 Theatre History and Dramatic Literature III 3 hrs
THE 2081C Introduction to UCF Theatre 0 hrs
THE 4954 Theatre Exit Critique 0 hrs

Select 1:

TPP 4293L Theatre Participation-Production II or THE 4093L Theatre Participation-Management II or 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. Transfer Notes for possible substitutes

2 Core Requirements: Basic Level

- None
1. Theatre Participation-Performance II 1 hr
2. Contemporary Theatre Practice 3 hrs
3. Makeup Techniques 2 hrs
4. Period Costume, Architecture, and Decor I 3 hrs
5. Period Costume, Architecture, and Decor II 3 hrs
6. Summer Theatre Studio/Design I 3 hrs
7. Summer Theatre Studio/Design II 3 hrs
8. Stage Management Basics 3 hrs
9. Theatre Management 3 hrs
10. Intermediate Acting 3 hrs
11. Summer Theatre/Performance 3 hrs
12. Summer Studio Performance 3 hrs
13. Advanced Directing for Theatre 3 hrs
14. Stage Management 3 hrs
15. Circus Arts 2 hrs
16. Directed Independent Research 1 hr
17. Stage Combat 2 hrs
18. Women in Theatre 3 hrs
19. Theatre for Social Change 3 hrs
20. Global Theatre 3 hrs
21. Taboo Theatre: Sex & Violence on Stage 3 hrs
22. Sex, Drugs, & the Rock and Roll Musical 3 hrs
23. Directed Independent Research 1 hr
24. Any DAA or DAN courses taught by the theatre department with departmental approval
25. Honors in the Major Directed Readings and Thesis (see #1 footnote)

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
    None
    Theatre 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. Students are free to pursue any minor open to them, but are encouraged to participate in the department's Associated Minor program which provides additional career advising support targeted at specific career paths. Please see the departmental handbook for a more complete description of the program and a list of Associated Minors. Participation in an Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

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 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
None

Related Programs
- Film
- Music
- Theatre

Certificates
None

Related Minors
- Art - Studio
- Music
- Film - Cinema Studies
- Theatre
- Dance

Advising Notes
None

Transfer Notes
Courses taken at community colleges 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
2. TPP 2101 Fundamentals of Acting 3 hrs
3. TPP 2300 Directing for Theatre I 3 hrs
4. TPP 3103 Technical Theatre Production 2 hrs
5. TPP 3193 Intermediate Acting 3 hrs
6. TPP 3195 Technical Theatre Production 2 hrs
7. TPP 3197 Intermediate Theatre/Design 3 hrs
8. TPP 3201 Stage Management 3 hrs
9. TPP 3305 Theatre Production 3 hrs
10. TPP 3952L Summer Studio Performance 3 hrs

Related Programs
- Film
- Music
- Theatre

Certificates
None

Related Minors
- Art - Studio
- Music
- Film - Cinema Studies
- Theatre
- Dance

Advising Notes
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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
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 online “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.

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<th>Leadership Studies</th>
<th>Marketing: Services Marketing Certificate</th>
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<td>Legal Studies</td>
<td>Marketing: Sport Marketing Management Certificate</td>
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<td>Actuarial Science</td>
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<td>Mass Culture and Collective Behavior</td>
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<td>Latin American Area Studies</td>
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| Certificates                                                         | Angling Studies Certificate                                                        | Law and Legal Practice Certificate       |
|                                                                     | Behavioral Forensics Certificate                                                   | Medical Law Certificate                   |
|                                                                     | Children’s Services Certificate                                                    | Medical Law 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                                                   |                                                    |
|                                                                     | Judaic Studies Certificate                                                          |                                                    |
|                                                                     | Language Development and Disorders Certificate                                      |                                                    |
|                                                                     | Leadership Studies Certificate                                                     |                                                    |
|                                                                     | Legal Studies                                                                       |                                                    |
|                                                                     | Magazine Journalism                                                                 |                                                    |
|                                                                     | Marketing                                                                          |                                                    |
|                                                                     | Marketing: e-Marketing Certificate                                                  |                                                    |
|                                                                     | Marketing: Entertainment Marketing Certificate                                      |                                                    |
|                                                                     | Marketing: Healthcare Marketing Certificate                                         |                                                    |
|                                                                     | Marketing: Retailing Management Certificate                                         |                                                    |
|                                                                     | Marketing: Selling and Sales Management Certificate                                |                                                    |

Additional UCF Programs

- Study Abroad Programs:
  - Australia
  - Austria
  - Brazil
  - The Bahamas
  - China
  - Costa Rica
  - Czech Republic
  - France
  - Germany
  - Honduras
  - Ireland
  - Italy
  - Japan
  - The Netherlands
  - Peru
  - Poland
  - Russia
  - Spain
  - Sweden
  - Taiwan
  - United Kingdom
Accounting - Minor
College of Business Administration
Kenneth G. Dixon School of Accounting, Business Administration II, Room: 101
http://web.bus.ucf.edu/academics/accounting/
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

Select 1: 3 hrs
■ May not be counted as an elective if selected as a required course.
- ACG 3131 Intermediate Financial Accounting I or 3 hrs
- ACG 3381 Cost Accounting I 3 hrs

Restricted Electives (12 hrs)
Select 4: 12 hrs
■ At least two courses must have either an ACG or TAX prefix
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- ACG 3381 Cost Accounting I 3 hrs
- ACG 3414 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
- ISM 3253 MIS Techniques 4 hrs
- ISM 4212C Database Design and Implementation 4 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 community colleges 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.
■ A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
■ 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, Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Dr. David Nickerson, nickerson@mail.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.

ECON 2013 Principles of Macroeconomics 3 hrs
MAC 2311 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 4582 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
Col. Michael J. Chandler
Phone: 407-823-1247

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (16 hrs)
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
### African American Studies - Minor

**College of Arts and Humanities**  
Program in African American Studies, Colbourn Hall,  
*Room: 411*  
*http://www.aas.cah.ucf.edu/*  
*J. Stephenson, 407-823-0026*

The African American Studies minor is designed to complement a student’s major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (6 hrs)
- AFA 3104 The Black Intellectual Experience  3 hrs  
- AMH 3571 Black American History I  3 hrs

#### Restricted Electives (12 hrs)
- Additional courses may be used only with the prior permission of the program director.  
- AFA 3102 Black Perspectives: A Multidisciplinary Approach  3 hrs  
- AFA 2300 African American Music  3 hrs  
- AFA 3955 Study Abroad in Eastern Caribbean  6 hrs  
- AMH 3572 Black American History II  3 hrs  
- AML 3614 Topics in African-American Literature  3 hrs  
- AML 3615 Harlem, Haiti, and Havana  3 hrs  
- ARH 3200 African Art  3 hrs  
- INR 3253 International Politics of Africa  3 hrs  
- FIL 3831 Black Cinema  3 hrs  
- LAH 3470 History of the Caribbean  3 hrs  
- LAS 4023 African Caribbean Experience  3 hrs  
- LIT 3192 Caribbean Literature  3 hrs  
- MUL 2016 Evolution of Jazz  3 hrs  
- POS 4622 Politics and Civil Rights  3 hrs  
- PUP 3314 Minorities in American Politics  3 hrs  
- SOP 3724 Psychology of Prejudice  3 hrs  
- SYD 3700 Race and Ethnicity  3 hrs  
- AFA 4105 Documenting African American Heritage and Life  3 hrs

- AFH 3100 African History to 1870  3 hrs  
- AFH 3200 African History Since 1870  3 hrs  
- AFH 5806 The Historiography of Slavery in Africa  3 hrs  
- AMH 3403 History of the South Since 1865  3 hrs  
- ANT 3398 Black/Seminole Relations  3 hrs  
- ANT 3319 Anthropology of Diaspora  3 hrs  
- ANT 4340 Caribbean Cultures  3 hrs

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

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### 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.

---

### Aging Studies - Minor

**College of Health and Public Affairs**  
**School of Social Work, Health and Public Affairs, Room: 204**

E-mail: socialwk@mail.ucf.edu  
BSW Coordinator  
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 students  
2. For part-time students over two semesters

#### Restricted Electives (12 hrs)
- Students select FOUR additional courses from the following courses:  
  A maximum of TWO courses in their College must be taken and at least TWO courses must be outside their college.

#### College of Health and Public Affairs

- HSA 4220 Long Term Patient Management  3 hrs  
- HSA 3222 Long Term Care and Administration  3 hrs  
- HSC 4664 Health Care Needs of the Elderly  3 hrs  
- PLA 4530 Legal Issues of the Elderly  3 hrs  
- SOW 4645 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 4364 Psychology of Aging  3 hrs  
- SYP 4730 Patterns of Aging in Society  3 hrs  
- 1 GYE 5007 Women and Healthy Aging  3 hrs  
- SYP 4732 Gerontology Aging  3 hrs

1. Open to undergraduates with senior standing

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18
American Studies - Minor
College of Arts and Humanities
CAH Dean’s Office, Room: 290
http://www.cah.ucf.edu
Lyman Brodie, lbrodie@mail.ucf.edu, 407-823-2292
Phone: 407-823-2251

Minor Admission Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- Literature and Humanities: 3 hrs
  Select 1:
  - 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

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (2.0) are not accepted.
- 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.

Anthropology - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: 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

Restricted Electives (15 hrs)
- 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

Complete at least two of the following courses; 6 hrs
Select two upper level (3000-5000) courses in Anthropology

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 4144 Prehistory of North America 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 5822 Maya Field Research or 3 hrs
- ANG 5166 Problems in Maya Studies or 3 hrs
- ANG 5167 Maya Hieroglyphs or 3 hrs
- ANG 5228 Maya Iconography 3 hrs

1) or its graduate equivalent.

C. Concentration in Physical Anthropology 15 hrs
- ANT 2511 The Human Species 3 hrs

Complete at least four of the following courses; 12 hrs
- ANT 3148 Life and Death in Ancient Egypt or 3 hrs
- ANT 3541 Biobehavioral Anthropology or 3 hrs
- ANT 3550 Primatology or 3 hrs
- ANT 4183 Archaeological Sciences or 3 hrs
  1) ANT 4184 Mortuary Archaeology or 3 hrs
### Minors

**ANT 4622** Medical Anthropology or 3 hrs  
**ANT 4687** Nutritional Anthropology or 3 hrs  
**ANT 4516** Human Biological Diversity or 3 hrs  
**ANT 4522** Forensic Anthropology or 3 hrs  
**ANT 4529C** Human Osteology or 4 hrs  
**ANT 4528C** Advanced Forensic Anthropology or 5 hrs  
**ANT 4560** Anthropological Perspectives on Human Growth or 3 hrs  
**ANT 4586** Human Origins or 3 hrs  
**ANG 5742** Problems in Forensic Anthropology or 3 hrs

1 or its graduate equivalent.

### D. Concentration in Cultural Anthropology 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ANT 2410 Cultural Anthropology</td>
<td>3 hrs</td>
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<tr>
<td>Complete at least four of the following courses;</td>
<td>12 hrs</td>
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<tr>
<td>ANT 3152 Indians of the Southwest or</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3164 Ancient Incas or</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3212 Peoples of the World or</td>
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<td>ANT 3241 Magic, Ritual, and Belief or</td>
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<td>ANT 3245 Native American Religions or</td>
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<td>ANT 3262 Rural Society or</td>
<td>3 hrs</td>
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<td>ANT 3273 Law and Culture or</td>
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<td>ANT 3302 Sex, Gender and Culture or</td>
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<td>ANT 3311 Indians of the Southeast United States or</td>
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<tr>
<td>ANT 3312 Ethnology of North American Indians or</td>
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<td>ANT 3313 Indians of North America High Plains or</td>
<td>3 hrs</td>
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<td>ANT 3314 Indians of the Northeast Woodlands or</td>
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<td>ANT 3318 Indians of the Northwest Coast or</td>
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<tr>
<td>ANT 3398 Black/Semioile Relations or</td>
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<td>1 ANT 4332 People and Cultures of Latin America or</td>
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<tr>
<td>1 ANT 4333 Anthropology of Tourism or</td>
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<td>ANT 3701 Applied Anthropology or</td>
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<td>ANT 4702 Culture, Power and Development or</td>
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<tr>
<td>ANT 4802 Ethnographic Field Methods or</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3363 Anthropology of Japan or</td>
<td>3 hrs</td>
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<tr>
<td>1 ANT 3610 Language and Culture or</td>
<td>3 hrs</td>
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<tr>
<td>1 ANT 4340 Caribbean Cultures or</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3319 Anthropology of Diaspora or</td>
<td>3 hrs</td>
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<td>ANT 4034 History of Anthropological Thought or</td>
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<td>ANT 4266 Economic Anthropology: Production, Consumption, and Exchange</td>
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<tr>
<td>ANT 4308 Gender Issues in Latin America or</td>
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<tr>
<td>ANT 4352 African Societies and Cultures or</td>
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<td>ANT 4354 Postcolonial Africa or</td>
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<td>ANT 4408 Culture, Disease, and Healing or</td>
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<tr>
<td>ANG 5167 Maya Hieroglyphs or</td>
<td>3 hrs</td>
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<tr>
<td>ANG 5228 Maya Iconography or</td>
<td>3 hrs</td>
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<tr>
<td>ANG 5622 Language, Culture and Pedagogy or</td>
<td>3 hrs</td>
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</tbody>
</table>

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.
- Not open to Anthropology majors.

### Anthropology in Multicultural Studies - Minor

**College of Sciences**

**Department of Anthropology, Howard Phillips Hall, Room: 309**

**http://www.cos.ucf.edu/anthropology**

**E-mail: 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**

- None

**Prerequisite Courses**

- None

**Required Courses** (18 hrs)

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<tr>
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<tbody>
<tr>
<td>ARH 2050 History of Western Art I</td>
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<tr>
<td>ARH 2051 History of Western Art II</td>
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<td>ART 2201C Design Fundamentals—Two Dimensional</td>
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<td>ART 2203C Design Fundamentals—Three Dimensional</td>
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<tr>
<td>ART 2300C Drawing Fundamentals I</td>
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<tr>
<td>ART 2301C Drawing Fundamentals II</td>
<td>3 hrs</td>
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<tr>
<td>ART 3950 Portfolio Review</td>
<td>0 hrs</td>
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**Restricted Electives** (6 hrs)

- Six semester hours of studio art in one area of specialization at the 3000-4000 level

**Art - Studio - Minor**

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**

**http://www.svad.cah.ucf.edu/**

Donna Mercado, 407-823-6100

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses** (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050 History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C Design Fundamentals—Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C Design Fundamentals—Three Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3950 Portfolio Review</td>
<td>0 hrs</td>
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</table>

**Restricted Electives** (6 hrs)

- Six semester hours of studio art in one area of specialization at the 3000-4000 level
Art History - Minor
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.cah.ucf.edu/
Donna Mercado, 407-823-6100

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
- ARH 4310 Italian Renaissance Art 3 hrs
- ARH 4430 19th Century Art 3 hrs
- ARH 4450 20th Century Art 3 hrs

Non-Western Course Requirement 3 hrs
Select 1:
- ARH 3520 African Art or 3 hrs
- ARH 4540 Art of India or 3 hrs
- ARH 4653 Meso American Art 3 hrs

Restricted Electives (9 hrs)
- ARH 4220 Medieval Art 3 hrs
- ARH 4350 Baroque Art 3 hrs
- ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
- ARH 4871 Women in Art 3 hrs

6 Hours of electives 6 hrs
- Two additional ARH 3XXX-4XXX courses

Foreign Language Requirements
- None

Total Semester Hours Required
- 27

Other 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 School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward 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 (3 hrs)
- HUM 3401 Asian Humanities 3 hrs

Restricted Electives (18 hrs)
- Approved courses (see department for listing)

Foreign Language Requirements
- One year or the equivalent proficiency examination (0-8 hrs).

Astronomy - Minor
College of Sciences
Department of Physics, Math and Physics, Room: 310
E-mail: 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
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (20 hrs)
- AST 2002 Astronomy 3 hrs
- AST 2002L Astronomy Lab 1 hr
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- AST 3110 Solar System Astronomy 3 hrs
- AST 3211 Stellar Astrophysics 3 hrs
- AST 3402 Galaxies and Cosmology 3 hrs
- AST 3722C Techniques of Observational Astronomy 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None
Minors

Total Semester Hours Required
- 20

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 bachelor 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 Biomatierials or 3 hrs
  - EML 5780 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

Computer Science Track
- Select 1: 3 hrs
  - CAP 5512 Evolutionary Computation or 3 hrs
  - EGN 6417 Algorithms on Strings and Sequences 3 hrs

  Select 1: 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

E-mail: biology@ucf.edu
Frank 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.

Other Requirements
- 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
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PCB 2023 Molecular Cell Biology 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4863 Evolutionary Biology 4 hrs

NOTE: These courses are considered as equivalent.
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test.
- Prior to enrolling in CHM 2045A, take ALEKS Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score 4 hrs
- A one semester course for students with little chemistry background should take this two semester equivalent instead.
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

Restricted Electives
- None

Total Semester Hours Required
- 328

Total Credit Hours Required
- 41

Other Requirements
- None

Required Courses
- None

Restricted Electives
- None

NOTE: These courses are considered as equivalent.
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test.
- Prior to enrolling in CHM 2045A, take ALEKS Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score 4 hrs
- A one semester course for students with little chemistry background should take this two semester equivalent instead.
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

Restricted Electives
- None
Biomedical Sciences - Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
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:
- PCB 3233 Immunology or 3 hrs
- PCB 4239 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
■ 31

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades less than “C” (2.0) or “S” grades from other institutions are not accepted.
■ At least 15 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.

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:
- 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 less than “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at community colleges 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, Chemistry, Room: 117
http://www.cos.ucf.edu/chemistry
E-mail: chemistry@ucf.edu
Dr. Pedro Patino, ppatino@mail.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
- 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

Note: These courses are considered to be equivalents:
- A one semester course for students with high Chem Placement scores:
  - CHM 2045C Chemistry Fundamentals I 4 hrs
- Or - Students with little chemistry background should take 2 this semester equivalent instead.
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs

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 3212L Organic Laboratory Techniques II 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 5451C Techniques in Polymer Science 3 hrs
Select 1: 3 hrs

**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.

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**Coaching - Minor**

**College of Education**

**Department of Child, Family and Community Sciences, Education Building, Room: 209**

Dr. Jay Hoffman, Program Coordinator, ED 320H, jhoffma@mail.ucf.edu

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**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses (15 hrs)**

- ATR 2010C Athletic Injuries: Mechanisms and 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:**

- PEO 2624 Coaching Basketball or 3 hrs
- PEO 3844 Coaching Football or 3 hrs
- PEO 3324 Coaching Volleyball 3 hrs

1 If the student has completed this course at a community college, it can be transferred into the program.

**Restricted Electives**
- None

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**Coaching - Minor**

**College of Arts and Humanities**

**Department of Philosophy, Psychology Building, Room: 220**

http://www.philosophy.cah.ucf.edu

E-mail: philosophy@mail.ucf.edu

Dr. Jennifer Mundale, jmundale@pegasus.cc.ucf.edu, 407-823-2273

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
- PSB 4422 Brainwaves and Behavior or 3 hrs
- ZOO 3744 Neurobiology 3 hrs

**Philosophy**

- PHI 3320 Philosophy of Mind or 3 hrs
- PHI 3322 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 4535 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 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**

- ANT 3610 Language and Culture or 3 hrs
- LIN 3010 Principles of Linguistics or 3 hrs
- LIN 3716 Language Development 3 hrs
- LIN 3717 Language Development: 9 - 18 Years or 3 hrs
- PHI 4221 Philosophy of Language or 3 hrs
- PSY 3703 Psychology of Language 3 hrs

**Restricted Electives**

**Select 2:**

- 6 hrs

- ANT 3541 Biobehavioral Anthropology or 3 hrs
- ANT 3550 Primateology or 3 hrs
- ANT 3610 Language and Culture or 3 hrs
- ANT 4586 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
- 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
Minors

**Communication Sciences and Disorders - Minor**

**College of Health and Public Affairs**

**Department of Communication Sciences and Disorders**, Health and Public Affairs, Room: 101


E-mail: advising@mail.ucf.edu

TBA

Licensed Speech-Language Pathology and Audiology Assistant: This state license may be obtained by completing the minor.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>SPA 3112</td>
<td>Basic Phonetics</td>
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<td>SPA 3112L</td>
<td>Basic Phonetics Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>Language Development</td>
<td>3 hrs</td>
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<tr>
<td>LIN 3716L</td>
<td>Language Development Lab</td>
<td>2 hrs</td>
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<tr>
<td>SPA 3101</td>
<td>Physiological Bases of Speech and Hearing</td>
<td>3 hrs</td>
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<tr>
<td>SPA 4032</td>
<td>Audiology</td>
<td>3 hrs</td>
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<td>SPA 4400</td>
<td>Language Disorders Across the Life Span</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4476</td>
<td>Speech Disorders Across the Lifespan</td>
<td>3 hrs</td>
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</table>

**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


TBD

**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 department chair.

**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 Corp. Engineering Center, Room: 346

[http://www.eecs.ucf.edu](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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
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</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
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<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
<td>4 hrs</td>
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<tr>
<td>CDA 3103</td>
<td>Computer Logic and Organization</td>
<td>3 hrs</td>
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</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COT 3100C</td>
<td>Introduction to Discrete Structures or MAD 2104 Foundations of Discrete Math</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 19

**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.
Minors

- Criminal Justice - Minor
  College of Health and Public Affairs
  Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
  E-mail: cjadvise@mail.ucf.edu
  Mary Ann Eastep, 407-823-2603
  Minor Admission Requirements
  - None
  Minor Requirements
  - None
  Prerequisite Courses
  - None

  Required Courses
  - CCJ 3024 Criminal Justice System 3 hrs
  - CCJ 3014 Crime in America 3 hrs

  Restricted Electives
  - CCJ 3010 Prosecution and Adjudication or CJL 3010 Corrections and Penology or 3 hrs
  - CJL 3010 Prosecution and Adjudication or CCJ 3010 Corrections and Penology or 3 hrs
  - CCJ 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

- Crime, Law, and Deviance - Minor
  College of Sciences
  Department of Sociology, Howard Phillips Hall, Room: 403
  http://sociology.ucf.edu
  Dr. Jay Corzine, 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 cannot 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
  - SYP 3520 Criminology 3 hrs
  - SYG 2000 Introduction to Sociology or SYG 2010 Social Problems 3 hrs

  Required: Complete one of the following:
  - SYG 2000 Introduction to Sociology or SYG 2010 Social Problems 3 hrs

  Restricted Electives
  - Select four courses 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.

- Dance - Minor
  College of Arts and Humanities
  Department of Theatre, UTC, Room: 180
  http://www.theatre.ucf.edu
  Brian Vernon, bvernon@mail.ucf.edu, 407-823-2862

  Minor Admission Requirements
  - A successful audition - contact department for audition dates.

  Minor Requirements
  - None

  Prerequisite Courses
  - None

  Required Courses
  - DAN 3134 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
  - 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
  - DAA 3524C Tap Dance III 2 hrs
  - DAA 2201C Ballet II 2 hrs
  - DAA 3208C Ballet IV 2 hrs
  - DAA 2101C Modern Dance II 2 hrs
  - DAA 3108C Modern Dance III 2 hrs
  - DAA 2334C 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.
Digital Media - Minor
College of Arts and Humanities
School of Visual Arts and Design
http://www.svad.cah.ucf.edu
Phone: 407-823-6100

Minor Admission Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- SYG 2000 Introduction to Sociology 3 hrs
- SYO 3530 Social Power and Inequality 3 hrs
- SYO 3525 Digital Media Production I 3 hrs
- DIG 3716C Internet Interaction 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 2485 Visual Language of the Moving Image 3 hrs
  - DIG 2821 Creative Digital Media Problem Solving 3 hrs
  - DIG 3230C Digital Media Audio 3 hrs
  - DIG 3286C Assembling Digital Media 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 4324C Modeling for Realtime Systems II 3 hrs
  - DIG 4455 Interactive Performance II 3 hrs
  - DIG 4503 Rapid Application Web Development 3 hrs
  - DIG 4530C Media for e-Commerce 3 hrs
  - DIG 4630C Media Business Practices 3 hrs
  - DIG 4713 Game Design 3 hrs
  - DIG 4715C Game Production 3 hrs
  - DIG 4780C Modeling for Realtime Systems 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

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.
- 12 hours used in the minor must be taken 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.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYG 3530 Social Power and Inequality 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
- Select four courses 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
  - SYD 4810 Women in Contemporary Society 3 hrs
  - SYD 4813 Women, Law and Social Change 3 hrs
  - SYO 4100 Family Trends 3 hrs
  - SYO 4200 Religion in Society 3 hrs
  - SYP 4454 Global Inequality and Society 3 hrs
  - SYP 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
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.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 Development and Education major and does not lead to teacher certification or admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education 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 the CLAS requirement, not alternatives, or completion of an A.A. degree from a Florida public post secondary institution, including completion of the CLAS requirement or alternatives.
- 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
- A minimum GPA of 2.75 in all Early Childhood Development and Education courses.
Minors

- At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses

- None

Required Courses (18 hrs)

- EEC 4661 Early Childhood Education Theory and Practice
- RED 3310 Early Reading, Writing and Language Arts
- EEC 4268 Curriculum Activities in Early Childhood
- EEC 4604 Classroom Management and Guidance of Young Children
- EEC 3700 Social and Emotional Development of Young Children
- EEX 4751 Parent Involvement in Education
- EEC 4303 Young Children With Special Needs

Restricted Electives (3 hrs)

Choose one:

- MAE 4300 Math Curriculum and Assessment in Early Childhood
- SCE 4304 Teaching Science and Technology to Young Children
- RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment
- EEX 4751 Parent Involvement in Education
- EEC 4303 Planning Creative Activities in Early Childhood Education

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- None

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 Scrogin, BA2 302U, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

(for both Business Majors and non-Business Majors)

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (9 hrs)

- ECO 2013 Principles of Macroeconomics
- ECO 2023 Principles of Microeconomics

Select 1:

- ECO 3101 Intermediate Microeconomics or
- ECO 3203 Intermediate Macroeconomics

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
- ECO 3203 Intermediate Macroeconomics

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 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.
Minors

Education - Minor
College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 220B
http://education.ucf.edu/
Dr. W. Scott Wise, ED 220B, wwise@mail.ucf.edu
Phone: 407-823-1502

The Education minor is intended to provide for university students outside the College of Education 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. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 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
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives (3 hrs)
- Select one
  - 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 4381 Programs in Teaching Science 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.
- 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
Department of Public Administration, Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Dr. Naim Kapucu, 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

Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4110 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:
  - DSC 4012 Terrorism or Teaching Terrorism 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:
- GEB 4152 Technological Entrepreneurship or 3 hrs
- 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.
Minors

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
    - 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 or 3 hrs
    - 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 3303 Economics and the Environment or 3 hrs
    - ECP 4303 Environmental and Natural Resource Economics or 3 hrs
    - 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 Management or 3 hrs
    - 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

Required Courses (18 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
- 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 - Creative Writing - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.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 (6 hrs)
- 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 9 hrs
- CRW 3311 Structure of Verse 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
- ENC 3311 Advanced Expository Writing 3 hrs
- CRW 3980 Cypress Dome Editorship 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.cah.ucf.edu/
E-mail: english@mail.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 4015 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 4800 Language and Meaning 3 hrs
- ANT 3010 Language and Culture 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHI 4212 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.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- ENG 3014 Theories and Techniques of Literature Study 3 hrs

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
- 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
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/englished/
Dr. Jeff Kaplan, ED 122B, jkaplan@mail.ucf.edu
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Phone: 407-823-2041

The English Language Arts Education minor is intended for non-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 an approved Florida community college or state university

Minor Requirements
- None

Prerequisite Courses
- None
### Minors

**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**
- A C- or better is required in these courses.
- 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.

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### Entrepreneurship: Business - Minor

**College of Business Administration**

**Department of Management, Business Administration I, Room: 309**


**Dr. Cameron Ford, cford@bus.ucf.edu**

**Phone:** 407-823-5569

The Entrepreneurship business minor offers students the opportunity to foster a strong business acumen that is essential to success in any career. The diverse classes available allow business undergraduates to explore the many career paths including self-employment/contracting, starting a company, working in small business, and leading corporate innovation and change initiatives.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses (15 hrs)**
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4111 New Venture Finance 3 hrs
- MAN 3301 Management of Human Resources 3 hrs
- MAN 4802 Entrepreneurship 3 hrs

**Select 1:**
- MAR 3391 Professional Selling or 3 hrs
- MAR 3765 Entrepreneurial Marketing 3 hrs

**Restricted Electives (3 hrs)**
- Any 3000 or 4000 MAN course not in COB core or the following course:
  - BUL 4540 Employment Law 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.
- 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.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

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### Entrepreneurship: For Non-Business Majors - Minor

**College of Business Administration**

**Department of Management, Business Administration I, Room: 309**


All UCF Undergraduates have the opportunity to realize their professional goals through the Entrepreneurship Minor for Non-Business Majors. The 19-credit minor complements any degree program, providing students with business insights that are focused on career development more than ownership.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses (19 hrs)**
- Required Introductory Courses 10 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAR 3023 Marketing 4 hrs
  
  Select 1:
  - GEB 3113 How to Start a Business 3 hrs
  - MAN 3301 Management of Human Resources 3 hrs

- Required Entrepreneurship Courses 9 hrs
  - GEB 4110 Business Plan Preparation 3 hrs
  - GEB 4111 New Venture Finance 3 hrs
  
  Select 1:
  - GEB 4152 Technological Entrepreneurship or 3 hrs
    - MAN 4802 Entrepreneurship 3 hrs

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 20

**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.
- 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.
- A maximum of 6 hours of required elective coursework 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
E-mail: is@mail.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 (18 hrs)

IDS 3150 Foundations of Environmental Studies 3 hrs

Restricted Electives (15 hrs)

Science & Environmental Electives 9 hrs
BOT 3152C Local Flora 3 hrs
BOT 4156C Florida Wildflowers 4 hrs
BOT 3802 Ethnobotany 3 hrs
BOT 4303 Plant Kingdom 5 hrs
BOT 4686 Conservation and Management of Native Plants 4 hrs
BSC 4312C Marine Biology 4 hrs
OCE 3008 Oceanography 3 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3442 Aquatic Ecology 3 hrs
PCB 4302C Physiochemical Limnology 4 hrs
PCB 4303C Biological Limnology 4 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 3083 Genetics 3 hrs
PCB 3304C River Ecology 4 hrs
PCB 3314 Marine Bio Diversity 3 hrs
PCB 3044L Principles of Ecology Laboratory 1 hr

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
E-mail: 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.

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)
■ Any course substitutions are subject to prior approval by the director.

Literature, Film, and Culture: 3 hrs
■ Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

Select at least 3 credits from this grouping: 3 hrs

ENL 2022 English Literature II or
ENL 4101 English Novel or
ENL 4240 English Romantic Writers or
ENL 4262 Nineteenth Century British Prose or
ENL 4273 Modern British Literature or
FIL 3820 Italian Film or
FIL 3822 French Film or
FIL 3823 German Film or
FRE 4500 French Civilization and Culture or
FRW 4324 20th Century French Novels or
FRW 4532 French Romanticism or
FRW 4552 Nineteenth Century French Literature or
GER 3102 Germany - Past to Present or
GER 4520 Modern Germany or
GEW 3101 Survey of German Literature II or
GEW 3370 Short Story or
GEW 3480 German Post-War Literature or
**Minors**

GEW 4482  German Children's Literature  3 hrs
GEW 4531  The Age of Goethe and Schiller  3 hrs
ITT 4956  Study Abroad: Modern and Contemporary Italy  3 hrs
ITW 3101  Survey of Italian Literature II  3 hrs
JST 3751  Literature of the Holocaust  3 hrs
LIT 4184  Irish Literature  3 hrs
MUL 3604  German Song Literature  1 hr
MUL 3605  French Song Literature  1 hr
SPW 3101  Survey of Spanish Literature II  3 hrs
SPW 3370  Spanish Short Story  3 hrs
SPW 4272  20th Century Spanish Novel  3 hrs
SPW 4322  Contemporary Iberian Theatre  3 hrs
SPW 4450  Spanish Literary Theory  3 hrs
SPW 4460  Nineteenth Century Spanish Literature  3 hrs
SPW 4720  The Generation of 1898  3 hrs

**History**

Select at least 6 credits from this grouping:  6 hrs
- EUH 3235  Romanticism and Realism  3 hrs
- EUH 3242  Modern Europe and the First World War  3 hrs
- EUH 3261  Second World War and Rebirth of Europe  3 hrs
- EUH 3315  History of Modern Spain  3 hrs
- EUH 3411  Ancient Rome  3 hrs
- EUH 3431  History of Modern Italy  3 hrs
- EUH 3451  History of Modern France  3 hrs
- EUH 4284  Fascism and Nazism in the Interwar Europe  3 hrs
- EUH 4400  The History of Ancient Greece  3 hrs
- EUH 4465  Hitler's Third Reich  3 hrs
- EUH 4501  English History: 1485-1815  3 hrs
- EUH 4502  British History: 1815-Present  3 hrs
- EUH 4574  History of Russia: 1901-1917  3 hrs
- EUH 4576  History of Russia in the 20th Century  3 hrs
- EUH 4578  History of Russia in the 20th Century  3 hrs
- EUH 4582  20th Century Russian Diplomatic History  3 hrs
- EUH 4610  Women in European Society: From Medieval to Modern  3 hrs
- EUH 4620  European Great Powers: 1815-1914  3 hrs
- GER 4510  Life and Culture in Nazi Germany  3 hrs
- JST 3701  History of the Holocaust  3 hrs

**Political Science or Economics**

Select at least 3 credits from this grouping:  3 hrs
- CPO 3104  Politics of Western Europe  3 hrs
- CPO 3114  Politics of Eastern Europe  3 hrs
- CPO 4074  Political Economy  3 hrs
- CPO 4123  Government and Politics of Great Britain  3 hrs
- CPO 4445  Comparative Political Parties  3 hrs
- CPO 4843  Government and Politics of Russia  3 hrs
- ECO 3703  International Microeconomics  3 hrs
- INR 4555  International Political Economy  3 hrs

**Other**

- 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 at least 3 credits of courses from this grouping:  3 hrs
- ARH 4430  19th Century Art  3 hrs
- ARH 4450  20th Century Art  3 hrs
- PHL 3510  Marx and Nietzsche  3 hrs
- PHL 3783  Modernity as a Philosophical Problem  3 hrs
- PHL 3786  Existentialism  3 hrs
- PHL 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.

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**Exceptional Education - Minor**

**College of Education**

**Department of Child, Family and Community Sciences**, Education Building, Room: 209

[http://www.education.ucf.edu](http://www.education.ucf.edu)

Dr. Lee Cross, Program Coordinator, lcross@mail.ucf.edu
Linda Alexander, lalexan@mail.ucf.edu, 407-823-2598
Phone: 407-823-5445

The Exceptional Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor is not intended for students enrolled in the College of Education and does not lead to teacher certification nor admission to the College of Education. 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**

- None

**Prerequisite Courses**

- None

**Required Courses**

- EEX 4601  Introduction to Behavior Management  3 hrs
- EEX 4763  Technology for Classroom Teachers of Students with Special Needs  3 hrs
- EEX 2090  Exceptional Populations in School and Society  3 hrs
- EEX 4066  Curriculum, Theory and Instructional Strategies for Students with Special Needs  3 hrs

**Restricted Electives**

- Choose either Elementary Restricted Electives or Secondary Restricted Electives as a focus

**Elementary Restricted Electives**

- EEX 4070  Teaching Exceptional Students  3 hrs

**Secondary Restricted Electives**

- EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs

**Select 1:**

- EEX 3241  Methods for Academic Skills for Exceptional Students  3 hrs
- EEX 3221  Assessment of Exceptional Students  3 hrs

**Select 1:**

- EEX 3243  Techniques for Exceptional Adolescents-Adults  3 hrs
- EEX 3221  Assessment of Exceptional Students  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 1105 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 Education nor does it constitute admission in the College of Education.
Film - Cinema Studies - Minor
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.filmm.cah.ucf.edu/
E-mail: film@mail.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 3 hrs
- FIL 1000 Cinema Survey 3 hrs

Restricted Electives (6 hrs)
- Choose Two
  - FIL 3800C 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 by exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study or Directed Research credit cannot be used toward the minor.
- 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.

Finance - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409
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
- None

Required Courses (6 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Restricted Electives (9 hrs)
Select 3:
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3461 Financial Statement Analysis 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 4684 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 community colleges 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
Department of Child, Family and Community Sciences, Education Building, Room: 209
Dr. Jay Hoffman, Program Coordinator, ED 320H, jrhoffma@mail.ucf.edu
Phone: 352-536-2141

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 practi-cal 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 receive certification from The American Council on Exercise. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- PET 4083 Personal Training Methods 3 hrs
- 1 ZOO, 3736C Exercise Physiology Anatomy 4 hrs

Restricted Electives (6 hrs)
Select 2:
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science or 3 hrs
- PET 3771 Strength and Conditioning Concepts or 3 hrs
- PET 3768 Group Exercise Instruction or 3 hrs
- PET 4351C Exercise Physiology or 3 hrs
- PET 4216 Motivational Aspects of Athletic Performance 3 hrs
Foreign Language Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Complex, Room: 220
http://education.ucf.edu/language
Dr. Karen Verkler, kverkler@mail.ucf.edu, 407-823-5235

The Foreign Language Education minor is intended for non-Language Education majors. It is well suited for College of Education students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education (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.

Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

Minor Admission Requirements
■ Minimum 2.5 overall GPA. Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from an approved Florida community college or state university.

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
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Prerequisite 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.

German - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.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 German, 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.
Health Informatics and Information Management - Minor

College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210

Minor

Alice Noblin, anoblin@mail.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 and Public Affairs II, Room: 212

L. Timothy Worrell, 407-823-2214

Minor Admission Requirements
- None
Minor Requirements
- None
Prerequisite Courses
- None
Required Courses (15 hrs)
- HIM 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
- None
Restricted Upper Division Electives 15 hrs
- Select 1: 3 hrs
- HSC 4652 Health Law and Ethics or
- HSA 4109 Principles of Managed Care or
- HIM 4508C Quality Management or
- 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 Health Professions courses.
- 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 without departmental approval.

Health Services Administration - Minor

College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210

E-mail: hsainfo@mail.ucf.edu
Dr. Reid Oetjen, 407-823-5668

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
- None
Restricted Upper Division Electives 15 hrs
- Select 1: 3 hrs
- HSC 4652 Health Law and Ethics or
- HSA 4109 Principles of Managed Care or
- HIM 4508C Quality Management or
- 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 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 without academic advisor’s approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

History - Minor

College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551

http://www.history.cah.ucf.edu/

E-mail: history@mail.ucf.edu
Dr. Rosalind J. Beller, 407-823-2225

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
- None

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.

Minors

Hospitality Management - Minor
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dr. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
Take all of the following:
- HFT 1000 Introduction to the Hospitality and Tourism Industry and Guest Services Management I 3 hrs
- HFT 3540 6 hrs

Select 2:
- HFT 2401 Hospitality Industry Financial Accounting or 3 hrs
- HFT 3431 Hospitality industry Managerial Accounting or 3 hrs
- HFT 2500 Hospitality and Tourism Marketing or 3 hrs
- HFT 2220 Hospitality Human Resources Management or 3 hrs
- HFT 3444 Hospitality Information Systems or 3 hrs
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry or 3 hrs
- HFT 4464 Hospitality Industry Finance or 3 hrs
- HFT 4286 Hospitality Communications 3 hrs

Select 2:
- 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 Management 3 hrs

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.

Humanities - Minor
College of Arts and Humanities
Department of Philosophy, Psychology Building,
Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: philosophy@mail.ucf.edu
TBA

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 related to knowledge, responsibility, and society. 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:
- 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:
- ANT 3245 Native American Religions or 3 hrs
- HUM 3401 Asian Humanities or 3 hrs
- HUM 3417 Hindu Thought and Culture or 3 hrs
- HUM 3419 Islamic Thought and Culture or 3 hrs
- HUM 3552 Christian Thought or 3 hrs
- REL 3553 Moses, Jesus and Muhammad or 3 hrs
- JST 3401 Jewish People in Antiquity or 3 hrs
- PHH 3701 Native American Philosophy 3 hrs

Select 2:
- HUM 4330 Performance Theory or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- 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/Self or 3 hrs
- 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
- HUM 4303 The Spiritual 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.
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
- None

Required Courses
- Select one of the following three options:
  - Option 1: 7 hrs
    - Not open to Computer Science Minors or Interdisciplinary Studies
  - Option 2: 6 hrs
    - Not open to Computer Science Minors or Interdisciplinary Studies
  - Option 3: 3 hrs
    - Computer Science Minors and Interdisciplinary Studies Majors Only

Select 1:
- CGS 1060C Introduction to Computer Science or
- CGS 2100C Computer Fundamentals for Business

Select 2:
- CGS 2545C Database Concepts or
- CGS 2585C Desktop/Internet Publishing or
- CGS 3175 Internet Applications or
- CGS 3289 Computer Architecture Concepts or
- CNT 3004 Computer Network Concepts or
- CGS 3763 Operating System Concepts or
- CIS 3003 Fundamentals of Information Technology

College Electives
- Options 1 and 2: 3 hrs
- Option 3: 6 hrs

Any upper division courses offered within Computer Science at UCF or additional courses chosen from restricted electives (exclusive of independent studies, internships, and those courses listed under required courses.) See other requirements.

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.
- A high-level programming language class (like the following or its equivalent) is required for the minor.
- EGN 3211 Engineering Analysis and Computation or
- COP 3223 Introduction to Programming with C or
- 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 or
- EGN 4413C Interdisciplinary Design II
Minors

Interdisciplinary Informatics Technology - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu/I2Tech/
Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-3327

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- CGS 3175 Internet Applications 3 hrs
- Select 1:
  - CGS 1060C Introduction to Computer Science or 3 hrs
  - CGS 2100C Computer Fundamentals for Business or 3 hrs
  - COP 3502C Computer Science I or 3 hrs

Healthcare Informatics Concentration
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HSA 4191 Health Care Automation 3 hrs

Select 1:
- CGS 4144 Introduction to Informatics or 3 hrs
- CIS 3003 Fundamentals of Information Technology 3 hrs

Technical Elective
- Choose 3 hrs

Restricted Electives: 3 hrs
- Students should consult with the program coordinator for a list of the approved technical electives.

Restricted Electives
- None

Foreign Language Requirements
- None

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 basic computer skills.
- No credit by exam (TSD, Military credit) may be used.

International and Global Studies - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Waltraud Morales
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 look 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)
A. Restricted Political Science Electives: 6 hrs
- Select courses from this grouping:
  - 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. Restricted Area Studies Electives: 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. Restricted Electives: 3 hrs
- Substitutions require prior approval by the program advisor.

Select one course from this grouping:
- 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 Comparative Perspective or 3 hrs
- 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 II or 3 hrs

Three one credit Foreign Language across the Curriculum (FLAC) courses
- University of Central Florida

Undergraduate Catalog 2011-2012
International Business - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu
Richard Ajayi, 407-823-5908

Minor for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Select 1:
- FIN 4604 International Financial Management 3 hrs

Select 2:
- ECO 3703 International Microeconomics or ECO 4713 International Macroeconomics or ECO 4701 Seminar in Global Economic Policy or ECS 4013 Development Economics or GEO 3471 World Political Geography or INR 4035 International Political Economy or INR 4224 Contemporary International Politics of Asia or INR 4243 International Politics of Latin America or INR 4401 International Law I or MAR 4724 Strategic Foundations in Global E-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" from other institutions are not accepted.
- Courses taken at community colleges 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 six hours of the above listed required or elective courses can count toward another major or minor degree program.

International Business - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu
Richard Ajayi, 407-823-5908

Minor for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Select 1:
- FIN 4604 International Financial Management 3 hrs

Select 2:
- ECO 3703 International Microeconomics or ECO 4713 International Macroeconomics or ECO 4701 Seminar in Global Economic Policy or ECS 4013 Development Economics or GEO 3471 World Political Geography or INR 4035 International Political Economy or INR 4224 Contemporary International Politics of Asia or INR 4243 International Politics of Latin America or INR 4401 International Law I or MAR 4724 Strategic Foundations in Global E-Business 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
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- Grades below "C" (2.0) or "S" from other institutions are not accepted.
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International Business - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu
Richard Ajayi, 407-823-5908

Minor for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Select 1:
- FIN 4604 International Financial Management 3 hrs

Select 2:
- ECO 3703 International Microeconomics or ECO 4713 International Macroeconomics or ECO 4701 Seminar in Global Economic Policy or ECS 4013 Development Economics or GEO 3471 World Political Geography or INR 4035 International Political Economy or INR 4224 Contemporary International Politics of Asia or INR 4243 International Politics of Latin America or INR 4401 International Law I or MAR 4724 Strategic Foundations in Global E-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" from other institutions are not accepted.
- Courses taken at community colleges 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 six hours of the above listed required or elective courses can count toward another major or minor degree program.

International Business - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu
Richard Ajayi, 407-823-5908

Minor for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Select 1:
- FIN 4604 International Financial Management 3 hrs

Select 2:
- ECO 3703 International Microeconomics or ECO 4713 International Macroeconomics or ECO 4701 Seminar in Global Economic Policy or ECS 4013 Development Economics or GEO 3471 World Political Geography or INR 4035 International Political Economy or INR 4224 Contemporary International Politics of Asia or INR 4243 International Politics of Latin America or INR 4401 International Law I or MAR 4724 Strategic Foundations in Global E-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" from other institutions are not accepted.
- Courses taken at community colleges 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.
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International Business - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu
Richard Ajayi, 407-823-5908

Minor for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Select 1:
- FIN 4604 International Financial Management 3 hrs

Select 2:
- ECO 3703 International Microeconomics or ECO 4713 International Macroeconomics or ECO 4701 Seminar in Global Economic Policy or ECS 4013 Development Economics or GEO 3471 World Political Geography or INR 4035 International Political Economy or INR 4224 Contemporary International Politics of Asia or INR 4243 International Politics of Latin America or INR 4401 International Law I or MAR 4724 Strategic Foundations in Global E-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" from other institutions are not accepted.
- Courses taken at community colleges 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 six hours of the above listed required or elective courses can count toward another major or minor degree program.
Minors

Other Requirements
- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Prerequisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Interpersonal/Organizational Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, jkatt@mail.ucf.edu
Rebecca Morales, rmorales@mail.ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Interpersonal - Organizational 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 3110 Business and Professional Communication 3 hrs
- COM 3406 Role of Motivation in Communication 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- COM 4462 Conflict Management 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

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 cannot be used toward the minor without departmental permission.

Italian - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.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
- 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 departmental permission.

Journalism Studies - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Steve Collins, Area Coordinator, scollins@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.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 the 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 at least 5 courses from the following:
  - JOU 3304 Journalism Readings 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 departmental 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/
E-mail: judaicst@mail.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. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) (or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For certificate requirements, refer to the section on Judaic Studies Certificate.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (8 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HBR 1120</td>
<td>Elementary Modern Hebrew Language and Culture I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HBR 1121</td>
<td>Elementary Modern Hebrew Language and Culture II</td>
<td>4 hrs</td>
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Restricted Electives (18 hrs)

<table>
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>JST 3401</td>
<td>Jewish People in Antiquity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3402</td>
<td>Wanderings: The Jewish People in Dispersion</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3415</td>
<td>American Jewish History</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3481</td>
<td>20th Century Jewish History and Thought</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3550</td>
<td>Introduction of Modernism into Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3120</td>
<td>Hebrew Scriptures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3125</td>
<td>The Book of Job</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3126</td>
<td>Romantic Love in the Bible</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3144</td>
<td>Dead Sea Scrolls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3190</td>
<td>The Biblical Prophets</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3100</td>
<td>The Hebrew Creative Mind</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3312</td>
<td>Identity and Genre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust</td>
<td>3 hrs</td>
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</table>

Bible

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>JST 3120</td>
<td>Hebrew Scriptures</td>
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Literature

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</tbody>
</table>

Jewish Civilization

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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3005</td>
<td>Tenets of Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3121</td>
<td>Classic Texts of Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3210</td>
<td>Kabbalah: Jewish Mysticism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3620</td>
<td>Contemporary Jewish Ethics and Morality</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Culture

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>JST 3450</td>
<td>Modern Jewish Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3810</td>
<td>The Jewish National Movement and Roots of Zion</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3820</td>
<td>Modern Israeli Culture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Language

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBR 2200</td>
<td>Intermediate Modern Hebrew I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 2201</td>
<td>Intermediate Modern Hebrew II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 3250</td>
<td>Biblical Hebrew</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 3410</td>
<td>Conversational Israeli Hebrew</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Other courses, including special topics, with the approval of the Director

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 26

Latin American Area Studies - Minor
College of Arts and Humanities
Colbourn Hall, Room: 406E & 406F

http://las.cah.ucf.edu

Dr. Jose Maunez-Cuadra, jmaunez@mail.ucf.edu, 407-823-1173
Phone: 407-823-1174

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.

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 1120</td>
<td>Elementary Spanish Language and Civilization I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPN 1121</td>
<td>Elementary Spanish Language and Civilization II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Prerequisite Courses
■ None

Required Courses
■ None

Restricted Electives (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAH 3130</td>
<td>Latin American History</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAH 3200</td>
<td>Modern Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAH 3400</td>
<td>History of Mexico and Central America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAH 3470</td>
<td>History of the Caribbean</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANH 3586</td>
<td>History of the Hispanic Minorities in the U.S.</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Leadership Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.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
- LDR 2001 2 hrs
- LDR 2002 2 hrs

Restricted Requirements
- Choose one course from each of the five areas:
  1. Communication
     - COM 3120: Communication and Human Relations 3 hrs
  2. Collaboration
     - INP 3004: Organizational Psychology 3 hrs
     - INP 4313: Organizational Psychology 3 hrs
  3. Social Relations
     - ANT 3514: Biobehavioral Anthropology 3 hrs
     - CLP 3143: Abnormal Psychology 3 hrs
     - COM 4661: Intercultural Communication 3 hrs
  4. Ethics
     - PHI 2302: Ethics 3 hrs
     - PHI 3638: Ethical Issues in the 21st Century 3 hrs
     - PHI 3640: Environmental Ethics 3 hrs

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.
Select three from the following choices:

- ENC 3310 Magazine Writing I or 3 hrs
- JOU 3201 Editing I or 3 hrs
- JOU 3202 Editing II or 3 hrs
- JOU 4300 Feature Writing or 3 hrs
- JOU 4308 Freelance Writing or 3 hrs
- JOU 4340C On-line 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: 3075
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 (12 hrs)
- Select four or five:
  - 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
  - MAR 3613 Marketing Analysis and Research 3 hrs
  - MAR 3641 Marketing Intelligene 3 hrs
  - MAR 3721 Technology Applications in 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 4803 Marketing Management 3 hrs
  - MAR 4804 Marketing Strategy 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
  - MAR 4156 International Marketing 3 hrs
  - MAR 4724 Strategic Foundations in Global E-Business 3 hrs

1 Requires prerequisites in addition to MAR 3023
2 or MAR 4724, not both
3 or MAR 4156, not both

Restricted Non-Marketing Elective
- 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 3003C 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 4500C Research Methods 4 hrs
  - MAN 4720 Strategic Management 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 community colleges do not substitute for upper division courses.
Minors

- 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, jmccain@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.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
- None

Restricted Electives (18 hrs)
Select at least 6 courses from the following: 18 hrs
ADV 3008 Principles of 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
MMC 2004 Mass Media 3 hrs
MMC 3200 Mass Communication Law 3 hrs
MMC 3420 Mass Media Research Methods 3 hrs
MMC 4300 International Media 3 hrs
PUR 4000 Public Relations 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

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 - Minor
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
Dr. Joe Brennan, jpbrenna@mail.ucf.edu
Phone: 407-823-5700

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 maximum of six hours of the listed required or elective courses can count toward another major or minor degree.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 cannot 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 4000</td>
<td>Sociological Social Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Required: Complete one of the following: 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Social Problems</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)
Select four courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYA 4500</td>
<td>Community Action and Involvement</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4200</td>
<td>Religion in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 3000</td>
<td>Contemporary Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3300</td>
<td>Fads, Crowds, and Social Action</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3400</td>
<td>Social Change</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3602</td>
<td>Patterns of Popular Music in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3630</td>
<td>Popular Culture in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3650</td>
<td>Sports and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4004</td>
<td>Constructing Social Issues</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.
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

Restricted Electives

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

NOTE: The following course is NOT acceptable as a restricted elective.

MAP 3401 Problem Analysis 3 hrs

You may select either course if desired, but not both.

MAS 3105 Matrix and Linear Algebra or MAS 3106 Linear Algebra 4 hrs

You may select either sequence, but not both.

MAA 4226 Advanced Calculus I and MAA 4227 Advanced Calculus II 4 hrs

or MAA 5210 Topics in Advanced Calculus 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

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

School of Teaching, Learning, and Leadership, Education Building, Room: 209

http://education.ucf.edu/mathed/

Dr. Janet Andreason, ED 123Q, jandreas@mail.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 an approved Florida community college or state university

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

Restricted Electives

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

NOTE: The following course is NOT acceptable as a restricted elective.

MAP 3401 Problem Analysis 3 hrs

You may select either course if desired, but not both.

MAS 3105 Matrix and Linear Algebra or MAS 3106 Linear Algebra 4 hrs

You may select either sequence, but not both.

MAA 4226 Advanced Calculus I and MAA 4227 Advanced Calculus II 4 hrs

or MAA 5210 Topics in Advanced Calculus 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

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.

Medical Anthropology - Minor

College of Sciences

Department of Anthropology, Howard Phillips Hall, Room: 309

http://anthropology.cos.ucf.edu/

E-mail: anthro@mail.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:
- AN 4560 Anthropological Perspectives on Human Growth
- ANT 3302 Sex, Gender and Culture 3 hrs
- ANT 3241 Magic, Ritual, and Belief 3 hrs
- ANT 4467 Nutritional Anthropology 3 hrs
- ANT 4516 Human Biological Diversity 3 hrs

Restricted Electives

Restricted Electives, Group A:

Select one course from the list below:

ANT 4560 Anthropological Perspectives on Human Growth
- ANT 4516 Human Biological Diversity 3 hrs

Restricted Electives, Group B:

Select two courses from the list below:

ANT 3148 Life and Death in Ancient Egypt 3 hrs
- ANT 4013 Anthropological Perspectives on Fast Food 3 hrs
- ANT 4184 Mortuary Archaeology 3 hrs
- ANT 4521 Forensic Anthropology 3 hrs
- ANT 3701 Applied Anthropology 3 hrs
- ANT 3541 Biobehavioral 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 permission from Anthropology.
### Minors

#### Medieval and Renaissance Studies - Minor
**College of Arts and Humanities**
**Department of English, Colbourn Hall, Room: 417G**

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

#### Medical Sociology - Minor
**College of Sciences**
**Department of Sociology, Howard Phillips Hall, Room: 403**

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 cannot be used to satisfy other Sociology minors.

#### Required Courses (6 hrs)
- SYO 4400 Medical Sociology 3 hrs
- Required: Complete one of the following: 3 hrs
  - SYG 2000 Introduction to Sociology
  - SYG 2010 Social Problems

#### Restricted Electives (12 hrs)
- Select four courses from the following: 3 hrs
  - SYD 4020 Birth, Death, and Population Trends
  - SYO 3410 Patterns of Mental Health in Society
  - SYP 3551 Patterns of Alcoholism in Society
  - SYP 4550 Patterns of Drug Abuse in Society
  - SYP 4730 Patterns of Aging in Society
- May substitute a relevant health-related course from another department with permission from Sociology.

#### 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.

#### Department of Modern Languages
**Department of Philosophy**
**Department of Music**
**Department of History**
**Department of English**

### 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
  - ENL 4311 Chaucer 3 hrs
  - HUM 4341 Milton and His Age 3 hrs
  - 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

#### 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
- LAT 1121 Elementary Latin Language and Civilization II 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: 411J
http://middleeasternstudies.cah.ucf.edu
Dr. Husain Kassim, 407-823-2803

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

Required Courses (9 hrs)
- CPO 3403 Politics of the Middle East 3 hrs
- HUM 3419 Islamic Thought and Culture 3 hrs
- ASH 3223 The Modern Middle East 3 hrs

Restricted Electives (12 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 5277 The Arab-Israeli Conflict 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- HBR 2200 Intermediate Modern Hebrew I 3 hrs
- REL 3553 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 2000 World Religions 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 less than “C-” (1.75) are not accepted.
- 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, Colbourn Hall, Room: 205A
http://www.music.cah.ucf.edu/
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Minor Admission Requirements
- None

Minor Requirements
- None

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:
  - 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 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.

Military Science - Minor
College of Engineering and Computer Science
Army ROTC, Army ROTC, Room: 501
LTC Sean Morgan
Phone: 407-823-1872

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

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 (9 hrs)
- Select 1:
  - MUL 2010 Enjoyment of Music or 3 hrs
  - MUL 2016 Evolution of Jazz or 3 hrs
  - MUH 2017 Survey of Rock Music or 3 hrs
  - MUH 2019 American Popular Music, 1840s-present 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) 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.
Minors

Non-Profit Management/American Humanics
National Certification Program - Minor
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
Stephanie Krick, skrick@mail.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 3 hrs
2. PAD 4948 Nonprofit Management Internship 3 hrs
3. PAD 4144 Non-Profit Organizations 3 hrs

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
2. ACG 2071 Principles of Managerial Accounting or 3 hrs
3. MAN 3025 Management of Organizations or 4 hrs
PAD 4131 Public Sector Project Management 3 hrs
PAD 4204 Fiscal Management or 3 hrs
PAD 5800 Grant and Contract Management 3 hrs
SOW 3401 Social Work Research or 3 hrs
PAD 4153 Planning and Improvement for Pub Org or 3 hrs
PAD 4325 Program Evaluation for Public and Non-Profit 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
2. MAN 4101 Human Relations in Management or 3 hrs
3. MAN 4320 Human Resources Recruitment and Selection or 3 hrs
4. PAD 4144 Public Personnel Administration or 3 hrs
5. PAD 4148 Volunteer Management or 3 hrs
SOW 3203 Social Work & Community Resources 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
2. GEB 3031 Cornerstone: Professional Skills for Business or 3 hrs
3. MAR 3023 Marketing or 4 hrs
4. MAR 3641 Marketing Intelligence or 3 hrs
5. MAR 4003 Marketing Management or 3 hrs
6. PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
7. SOW 3352 Practice II: Interpersonal Skills in Social Work or 3 hrs
8. SPC 3301 Interpersonal Communication 3 hrs

1 Course has prerequisites or may be closed to students in the major. Please see catalog for details.

Public Affairs Emphasis
■ Choose at least 3 courses from the following:
PAD 4148 Volunteer Management 3 hrs
PAD 4153 Planning and Improvement for Pub Org 3 hrs
PAD 4131 Public Sector Project Management 3 hrs
PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
PAD 4204 Fiscal Management 3 hrs
PAD 4223 Public Budgeting: Skills and Techniques 3 hrs
PAD 4253 Community & Economic Development 3 hrs
PAD 4325 Program Evaluation for Public and Non-Profit Organizations 3 hrs

1 Course has prerequisites or may be closed to students in the major. Please see catalog for details.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Enrollment in American Humanics Certification Program through AH program office.
■ Attendance at one national American Humanics Management Institute (additional fees).
■ Membership in UCF American Humanics 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://www.cos.ucf.edu/anthropology
E-mail: anthropology@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 all UCF undergraduates.

Minor Admission Requirements
■ Interview with the North American Indian Studies Director.
■ The minor is not open to Anthropology majors.

Minor Requirements
■ Consultation with the Director to develop a program of study and plan course selections.
■ Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.
■ 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.

Prerequisite Courses
■ Students must satisfy a course’s prerequisites before enrolling in the class.
ANT 2000 General Anthropology 3 hrs

Required Courses (3 hrs)
ANT 4910 Research 3 hrs

Restricted Electives (15 hrs)
■ Courses used in the minor must be taken in at least two departments. Select from the following list.
ANT 3245 Native American Religions 3 hrs
ANT 3313 Indians of North America High Plains 3 hrs
ANT 3311 Indians of the Southeastern United States 3 hrs
ANT 3158 Florida Archaeology 3 hrs
ANT 4906 Directed Independent Study 1 hr
Performing Arts Administration - Minor
College of Arts and Humanities
Department of Music, Performing Arts Center,
Room: M204
http://www.music.ucf.edu
E-mail: kgay@mail.ucf.edu
Kirk Gay, kgay@mail.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:
MUL 2010 Enjoyment of Music or 3 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
Take one of the following courses:
THE 2020 Survey of Theatre for Majors 3 hrs
Minor Requirements (30 hrs)
Minor requirement total may be either 30 or 31 hours (includes the admissions
requirement courses) depending on the restricted elective
selected from the Management courses.

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 Non-Profit Organizations 3 hrs
TPA 4400 Theatre Management 3 hrs
MUS 4300 Music Business and Industry 3 hrs
Internship 3 hrs
THE 4941 Internship 1 hr

Restricted Electives (9 hrs)
Select three courses, one from each of the three different areas.
Restricted Electives may total either 9 or 10 hours depending on the
course selected from the Management area.

Finance & Budgeting
FIN 2100 Personal Finance and Investments 3 hrs
ECO 2023 Microeconomics 3 hrs
AG 2071 Principles of Managerial Accounting 3 hrs

Management
MAR 3023 Marketing 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAN 2021 Management 3 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
18

Other Requirements
None

No credit by exam (TSD, Military credit) may be used to satisfy the
minor.

Philosophy - Minor
College of Arts and Humanities
Department of Philosophy, Psychology Building,
Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Jennifer Mundale, jmandale@pegasus.cc.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 2101 Philosophical Reasoning or 3 hrs
PHI 2101 Formal Logic I or 3 hrs
PHI 2107 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
PHI 3100 Ancient Philosophy or 3 hrs
PHI 3200 Medieval Philosophy or 3 hrs
PHI 3460 Modern Western Philosophy or 3 hrs
PHI 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
PHI 4031 Environmental Philosophy or 3 hrs
PHI 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
## Philosophy, Religion and Popular Culture - Minor

College of Arts and Humanities

**Department of Philosophy, Psychology Building, Room: 220**


**E-mail:** philosophy@mail.ucf.edu

Dr. Doug Evans (Orlando Campus), dkevans@mail.ucf.edu, 407-823-2273

Dr. Shelley Park, (Cocoa Campus), spark@mail.ucf.edu, 321-433-7919

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

### Prerequisite Courses

- None

### Required Courses

(21 hrs)

- NOTE: Appropriate special topics in philosophy, religious studies or humanities may be substituted for some core courses with prior approval by department advisor.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3700</td>
<td>Philosophy of Religion or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4400</td>
<td>Philosophy of Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3320</td>
<td>Philosophy of Mind or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3451</td>
<td>Philosophy of Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4420</td>
<td>Philosophy of Social Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3323</td>
<td>Minds and Machines: Philosophy of Cognitive Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 4782</td>
<td>Phenomenology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4221</td>
<td>Philosophy of Language</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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.

### Theoretical Foundations

**6 hrs**

**Take all of the following:**

- PHI 3684 Ways of Living and Knowing
- PHI 4341 Ways of Knowing

### Philosophy

**3 hrs**

**Select 1:**

- PHI 2101 Formal Logic I or
- PHI 3670 Ethical Theory or
- PHI 3700 Philosophy of Religion or
- PHI 3800 Aesthetics or
- PHM 3100 Freedom and Justice or
- PHI 3720 Faith and Reason or
- PHP 3760 Existentialism or
- PHI 4804 Critical Theory or
- PHI 4300 Theories of Knowledge

### Religion

**3 hrs**

**Select 1:**

- CLT 3378 Comparative Mythology or
- HUM 3552 Christian Thought or
- REL 3553 Moses, Jesus and Muhammad or
- HUM 3417 Hindu Thought and Culture or
- HUM 3419 Islamic Thought and Culture or
- HUM 4303 The Spiritual Ideal or
- HUM 4554 Religious Quest and Human Dilemma or
- PHI 3750 The Problem of Evil

### Popular Culture Studies

**9 hrs**

**Select at least one course from Contemporary Media**

**Select at least one course from Contemporary Forms of Life**

### Contemporary Media

**Select 1:**

- HUM 3320 Contemporary Multicultural Studies or
- HUM 4330 Performance Theory or
- HUM 4556 Religion and the Arts or
- PHI 3625 Virtual Ethics or
- PHI 4931 Philosophy in the News or
- POS 3235 Mass Media and Politics or
- POS 3258 Politics in Film or
- REL 3111 Religion and Philosophy Through Film or
- REL 3115 Religion, Spirituality, and Popular Music or
- SYP 3630 Popular Culture in Society

### Contemporary Forms of Life

**Select 1:**

- AN 3302 Sex, Gender and Culture or
- HUM 3252 Contemporary Multicultural Studies or
- PHM 3022 Sexuality & Philosophy or
- PHI 3033 Philosophy, Religion, and the Environment or
- PHI 3629 Family Values or
- PHI 3683 Philosophy of Friendship or
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or
- PHM 3123 Feminist Theories or
- PHM 3401 Philosophy of Law or
- REL 3131 Religion in America

### 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, Math and Physics, Room: 310
http://www.physics.ucf.edu
E-mail: 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 (11 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (9 hrs)
- 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
http://www.cos.ucf.edu/politicalscience
E-mail: 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.

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
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)
- Select 1:
  - POS 4284 American Constitutional Law 3 hrs

Restricted Upper Division Electives (9 hrs)
- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, PUP and one GEO - World Political Geography 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 4941L 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.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.
Minors

Psychology - Minor
College of Sciences
Department of Psychology, Psychology Building, Room: 301

http://www.psych.ucf.edu/
E-mail: 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 3404C Basic Learning Processes or 3 hrs
  - EXP 3204C Perception or 4 hrs
  - EXP 3604C Cognitive Psychology or 4 hrs
  - PSB 4204C Neuropsychology or 4 hrs
  - PSY 3703 Psychology of Language 3 hrs

B. Personality/Social
- Select 1: 3 hrs
  - PPE 3003C 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 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. Select one additional Psychology elective 3 hrs
- The following courses will not fulfill this requirement:
  - INP 3141C Advanced Applied Psychology 1 hr
  - INP 3951 Industrial/Organizational Field Work 3 hrs
  - PSY 3805 Directed Independent Study 1 hr
  - PSY 4906 Directed Independent Study 1 hr
  - PSY 4912 Directed Independent Research 1 hr
  - 1 PSY 3951 Undergraduate Field Work 1 hr

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
Department of Public Administration, Health and Public Affairs II, Room: 238

E-mail: pa/ba/bs@mail.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 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Public Personnel Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 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.

Phone: 407-823-3575

http://www.bus.ucf.edu/realestate/

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Required Courses (13 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 hrs
Minors

Religious Studies - Minor
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
E-mail: religion@mail.ucf.edu

Dr. Sabatino DiBernardo, sdberna@mail.ucf.edu, 407-823-2273

The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology, Art, English, History, Judaic Studies, Philosophy, Political Science, Psychology, and Sociology, and are to be selected in consultation with the Religious Studies advisor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- (Select from the following courses)
  
  Religion, Humanities, Classics, and Philosophy courses
   - CLT 3370 Classical Mythology or
   - CLT 3378 Comparative Mythology or
   - HUM 3320 Contemporary Multicultural Studies or
   - HUM 3401 Asian Humanities or
   - HUM 3417 Hindu Thought and Culture or
   - HUM 3419 Islamic Thought and Culture or
   - HUM 3552 Christian Thought or
   - HUM 4303 The Spiritual Ideal or
   - HUM 4330 Performance Theory or
   - HUM 4554 Religious Quest and Human Dilemma or
   - PHI 3033 Philosophy, Religion, and the Environment or
   - PHI 3638 Ethical Issues in the 21st Century or
   - PHI 3672 Animal Ethics or
   - PHI 3684 Ways of Living or
   - PHI 3700 Philosophy of Religion or
   - PHI 4321 Philosophies of Embodiment: Mind/Body/Self or
   - PHI 4341 Ways of Knowing or
   - PHI 4804 Critical Theory or
   - PHM 3109 Freedom and Justice or
   - PHP 3786 Existentialism or
   - REL 3111 Religion in America or
   - REL 3340 Buddhist Thought or
   - REL 3342 Roots of Western Mysticism or
   - REL 4110 Religion and the Arts or
   - REL 4180 Religion and Medicine or
   - REL 3553 Moses, Jesus and Muhammad

  - PHI 3033
  - PHI 3638
  - PHI 3672
  - PHI 3684
  - PHI 3700
  - PHI 4321
  - PHI 4341
  - PHI 4804
  - PHM 3109
  - PHP 3786
  - REL 3111
  - REL 3340
  - REL 3342
  - REL 4110
  - REL 4180
  - REL 3553

Restricted Electives
- (Select from the following courses)
  - CLT 3370
  - CLT 3378
  - HUM 3320
  - HUM 3401
  - HUM 3417
  - HUM 3419
  - HUM 3552
  - HUM 4303
  - HUM 4330
  - HUM 4554
  - PHI 3033
  - PHI 3638
  - PHI 3672
  - PHI 3684
  - PHI 3700
  - PHI 4321
  - PHI 4341
  - PHI 4804
  - PHM 3109
  - PHP 3786
  - REL 3111
  - REL 3340
  - REL 3342
  - REL 4110
  - REL 4180
  - REL 3553

Courses offered through other Departments
- NOTE: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.
  - AML 3615
  - ANT 3241
  - ANT 3245
  - ASH 3222
  - ASH 3223
  - JST 3005
  - JST 3125

Restrictions
- No credit by exam, (TSD, Military credit) may be used
- No grades below “C” (2.0) will be accepted
- All of these hours must be earned at UCF
- Independent study credit cannot be used toward the minor

Recreation - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
Dr. Jay Hoffman, Program Coordinator, ED 320H, jhoffma@mail.ucf.edu
Phone: 407-823-6598

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
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- (9 hrs)
  - PEO 3041 Games Analysis
  - PET 3765 Coaching Theory
  - PET 3820 Teaching Sports Skills I

Restricted Electives
- (9 hrs)
  - Select 3:
    - DAE 3370 Dance and Rhythms
    - PET 3771 Strength and Conditioning Concepts
    - PET 4050C Motor Development and Learning
    - PET 4312C Kinesiology/Biomechanics
    - SPM 3190 Aquatic Management
    - PET 4002 Outdoor and Leisure Activities
    - SPM 3204 Sports and Ethics
    - SPM 3415 Public Relations in Sport and Exercise Science
    - PET 3361 Nutrition and Metabolism in Sport and Exercise Science

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
- Independent study credit cannot be used toward the minor
## Minors

### Secure Computing and Networks - Minor

**College of Engineering and Computer Science**  
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346  
http://www.eecs.ucf.edu

Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**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

### Science Education - Minor

**College of Education**  
School of Teaching, Learning, and Leadership,  
Education Building, Room: 209  
http://education.ucf.edu/science/

Dr. Janet Andreasen, ED 123Q, jandreas@mail.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 an approved Florida community college or state university

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**  (6 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  3 hrs
- Students in Schools
- 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

### Social Science Education - Minor

**College of Education**  
School of Teaching, Learning, and Leadership,  
Education Building, Room: 209  
http://education.ucf.edu/ssed/

Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766

Dr. Janet Andreasen, ED 123Q, jandreas@mail.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 an approved Florida community college or state university

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**  (19 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 3 hrs
**RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
**SSE 4361** Social Science Instructional Analysis 4 hrs
**SSE 4936** Programs in Teaching Social Science 3 hrs

**Restrictive 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-requirements
- 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/](http://sociology.ucf.edu/)

**E-mail:** sociology@ucf.edu

Dr. Jay Corzine
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**
- SYG 2000 Introduction to Sociology 3 hrs

**Restricted Electives**
- 15 hrs

**Restricted Upper Division Electives**
- 12 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.

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**Sport Business Management (SPB): Business Minor**

**- Minor**

**College of Business Administration**

**DeVos Sport Business Management, Business Administration II, Room: 205**

[http://www.bus.ucf.edu](http://www.bus.ucf.edu)

Dr. C. Keith Hamson, Faculty Coordinator for SPB Minor, kharrison@bus.ucf.edu, 407-823-1158

Open to Business majors only. 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

**Restricted Electives**
- 6 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

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**Spanish - Minor**

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**


**E-mail:** forlang@mail.ucf.edu

Dr. Paul Giordano, 407-823-2472

**Minor Admission Requirements**
- None
Minors

Other Requirements
- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- 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): Minor for Non-Business Majors - Minor

College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharrison@bus.ucf.edu, 407-823-1158

Open to Non-Business Majors only. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses (7 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- MAR 3023 Marketing 4 hrs

Required Courses (18 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
- 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, Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
E-mail: statistics@ucf.edu
Dr. David Nickerson
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 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 cannot 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
Department of Educational and Human Sciences, Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
E-mail: jwhitema@mail.ucf.edu
Dr. Jo Ann M. Whiteman, ED 123 N, jwhitema@mail.ucf.edu, 407-325-6293
Phone: 407-823-2848

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 does not lead to teacher certification or admission to the College of Education. 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
The Technological Entrepreneurship Minor offers students an opportunity to blend deep discipline-specific expertise with broad entrepreneurial thinking skills. Combining disciplinary depth with entrepreneurial breadth promotes the introduction of innovations to society and creates economic rewards to those who champion those innovations. This minor will prepare students in any engineering, science, technology or business discipline to create, enhance or manage a technology venture. Topics covered would include evaluating opportunities for commercializing innovations, analyzing markets and competitors, assessing options for protecting intellectual property, and exploring options for establishing and financing technology ventures.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3113</td>
<td>How to Start a Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4110</td>
<td>Business Plan Preparation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4152</td>
<td>Technological Entrepreneurship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4413C</td>
<td>Interdisciplinary Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4914</td>
<td>Senior Design I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4915L</td>
<td>Senior Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4810C</td>
<td>Construction Design Project and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEG 4801C</td>
<td>Geotechnical Engineering Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4700C</td>
<td>Aerospace Design I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4710C</td>
<td>Aerospace Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4713</td>
<td>Game Design and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4715C</td>
<td>Game Production</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Discipline-Specific or Experiential Sequence**

- Any 3-credit discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in coordination with faculty in partner discipline. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (EGN 4641C), Information Management and Entrepreneurship (DIG 3563), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.

**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.
Urban and Regional Planning - Minor
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Jay Jure, 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
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
- PAD 4712  Information Systems for Public Managers (3 hrs)
- PAD 3330  Urban and Regional Planning (3 hrs)
- PAD 4531  Urban Design (3 hrs)
- PAD 2453  Community & Economic Development (3 hrs)
- PAD 4531  Issues in Environmental Program Management (3 hrs)
- PAD 4803  Issues in Urban Administration (3 hrs)

Restricted Electives
- Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field.
- PAD 4110  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
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- 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: 411A
http://womensstudies.cah.ucf.edu
E-mail: womenst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269
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 the 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 (6 hrs)
- WST 3015  Introduction to Women’s Studies (3 hrs)

Select 1:
- WST 3522  First and Second Wave Feminisms (3 hrs)
- WST 3561  Third Wave Feminisms (3 hrs)
- WST 3621  Theories of Masculinity (3 hrs)
- WST 4349  Ecofeminism (3 hrs)
- WST 4415  Global and Transnational Feminism (3 hrs)
- LIT 4554  Advanced Feminist Theories (3 hrs)
- PHM 3123  Feminist Theories (3 hrs)

Restricted Electives (12 hrs)
- Students should complete at least two of their four 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 3034  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:**  
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
- ANT 3408 Gender Issues in Latin America  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 3326 Women and Public Policy  3 hrs
- SYD 3751 North American Indian Women Today  3 hrs
- SYD 4810 Women in Contemporary Society  3 hrs
- SYD 4813 Women, Law and Social Change  3 hrs
- SYD 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**
**E-mail: is@mail.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.

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

**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, with 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
Writing and Rhetoric - Minor  
College of Arts and Humanities  
Department of Writing and Rhetoric, Colbourn Hall,  
Room: 301 B  
http://writingandrhetoric.cah.ucf.edu  
E-mail: bscott@mail.ucf.edu  
Dr. Blake Scott, bscott@mail.ucf.edu, 407-823-1057

The Minor in Writing and Rhetoric will provide students with in-depth writing preparation grounded in the discipline of writing and rhetoric studies. The curriculum emphasizes writing as civic and community engagement.

Minor Admission Requirements  
Transfer Notes  
- Transfer courses in which students earned lower than a “C” (2.0 GPA) will not be accepted.  
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

Minor Requirements  
- Students must earn a minimum GPA of 2.5 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.  
- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.  
- Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

Prerequisite Courses (3 hrs)  
1 ENC 1102 Composition II 3 hrs

1 ENC 1102 is a GEP course. It does not count towards the 18 credit hours needed to fulfill the Writing and Rhetoric Minor requirements.

Required Courses (3 hrs)  
Required Core Course  
- Students should take core course as early in the program as possible.  
ENC 3331 Rhetoric and Civic Engagement 3 hrs

Restricted Electives (9 hrs)  
- One course from each of the three Department of Writing and Rhetoric curricular clusters (see below):  
Public, Professional and Disciplinary Writing 3 hrs  
ENC 3250 Professional Writing 3 hrs  
ENC 3310 Magazine Writing I 3 hrs

ENC 3311 Advanced Expository Writing 3 hrs  
ENC 3351 Writing for Publication 3 hrs  
ENC 3454 Topics in Public, Professional, and Disciplinary Writing 3 hrs  
ENC 3315 Advanced Argumentative Writing 3 hrs  
ENC 4416 Writing in Digital Environments 3 hrs  
ENC 4354 Community Based Research and Writing 3 hrs  
ENC 4212 Professional Editing 3 hrs

Rhetoric and Writing Histories and Theories 3 hrs  
ENC 3330 Rhetorical Traditions 3 hrs  
ENC 3417 Writing, Literacy, and Technology 3 hrs  
ENC 3373 Alternative Rhetorics 3 hrs  
ENC 3372 Topics in Rhetoric and Writing Histories and Theories 3 hrs  
ENC 4504 Contemporary Composition Theory 3 hrs  
ENC 4523 Writing and Identity 3 hrs  
ENC 4374 Gendered Rhetorics 3 hrs  
LIN 4600 Language and Society 3 hrs

Language and the Teaching of Writing 3 hrs  
ENC 3473 Writing in Disciplinary Cultures 3 hrs  
ENC 3521 Cultural Literacies 3 hrs  
ENC 3503 Topics in Language and the Teaching of Writing 3 hrs  
ENC 4544 Writing Pedagogy 3 hrs  
ENC 4275 Writing/Consulting: theory & practice 3 hrs  
LIN 3673 Grammar & Advanced Prose Style 3 hrs  
LIN 4680 Modern English Grammar 3 hrs

Foreign Language Requirements  
- None

Total Semester Hours Required 18

Other Requirements  
Students must also take two courses from among the following: 6 hrs
- Any course offered by the Department of Writing and Rhetoric not used to satisfy another requirement of the minor.  
- Any 3000 or 4000 level ENC technical communication course.  
- Any 3000 or 4000 level approved Gordon Rule course including:  
CRW 3011 Creative Writing for Non-Majors 3 hrs  
CRW 3053 Theory & Practice of Creative Writing 3 hrs  
PLA 3108 Legal Research 3 hrs  
PLA 3155 Legal Writing 3 hrs
Aging Studies - Certificate
College of Health and Public Affairs
School of Social Work, Health and Public Affairs I, Room: 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator
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 students ONLY). Cannot be used with SOW 4941.
2 (Part-time students 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 in their College must be taken and at least one course must be outside their college.

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 GPA of 2.0 required in all courses used to satisfy the certificate
- Grades less than “C” (2.0) 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 cannot be used toward the certificate

Behavioral Forensics - Certificate
College of Sciences
Department of Psychology, Psychology Building, Room: 301
http://www.psych.ucf.edu/
E-mail: kmottare@mail.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 (9 hrs)
- Students must satisfy each course’s prerequisites before enrolling in the class.

Select 1: 3 hrs
- Complete one introductory course:
  - PSY 2012 General Psychology or
  - SYG 2000 Introduction to Sociology

Take all of the following: 6 hrs
- Complete both classes:
  - PPE 3003C Personality Theory and Research and
  - SYP 3510 Sociology of Deviant Behavior

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

From Psychology, select one of the following: 3 hrs
- CLP 3143 Abnormal Psychology 3 hrs
- CLP 3302 Clinical Psychology 3 hrs
- CLP 4134 Childhood Psychopathology 3 hrs
- PCO 4203 Interviewing and Counseling 4 hrs

From Sociology, select two of the following: 6 hrs
- SYG 3511 Sociology of Murder 3 hrs
- SYP 3530 Juvenile Delinquency 3 hrs
- SYP 3562 Patterns of Domestic Violence in Society 3 hrs
- SYP 4521 Crime Victims in Society 3 hrs
- SYP 4514 Patterns of Violence in Society 3 hrs
- SYP 4536 Gangs and Society 3 hrs
- SYP 3540 Sociology of Law 3 hrs

From Criminal Justice, select one of the following: 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CJE 4630 Serial Murder and Criminal Justice 3 hrs
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs
- CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
- CJE 4012 Criminal Profiling in Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 30
Certificates

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 and Public Affairs I, Room: 204
E-mail: socialwk@mail.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 the various components of the child welfare system and how that system impacts children and families. Students are prepared to identify child welfare problems such as child abuse and neglect experienced by children and families and are taught basic skills in working with families and the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve 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 4564 Children’s Services: 3 hrs
- SOW 4560 Child Abuse: Treatment and Prevention: 3 hrs

Select 1:
- 9 hrs
  - SOW 4510 Field Education: 9 hrs
  - SOW 4941 Internship: 9 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

Crime Scene Investigation - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
Department of Anthropology, Phillips Hall, Room: 403
E-mail: cjadvise@mail.ucf.edu
R. Cory Watkins, 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
- None

Prerequisite Courses
- None

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 (6 hrs)
- Select two of the following:
  - 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

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.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
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- Note: some courses have limited offerings, and should be taken when available.
  - ANT 4521 Forensic Anthropology: 3 hrs
  - ANT 4183 Archaeological Sciences: 3 hrs
  - CJE 4012 Criminal Profiling in Criminal Justice: 3 hrs
  - CJE 4610 Criminal Investigation: 3 hrs
Criminal Profiling - Certificate
Department of Criminal Justice and Legal Studies, College of Health and Public Affairs, Room: 311
David Fabiani, fabianic@mail.ucf.edu, 407-823-2603
Mary Ann Eastep, cjadvise@mail.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
- None
Prerequisite Courses
- None

Required Courses (12 hrs)
- CLP 3143 Abnormal Psychology 3 hrs
- CJE 4630 Serial Murder and the Criminal Justice System 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)
- CLP 4015 Research Methods in Criminal Justice 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.

Certificates

Cultural Tourism - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.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 2540 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 African American 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
- PUP 3203 Environmental Politics 3 hrs
- PUP 4204 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.
Certificates

Diplomacy - Certificate
College of Sciences
Department of Political Science, Phillips Hall, Room: 302

Department of History, Colburn Hall, Room: 551
http://www.cos.ucf.edu/politicalscience
Dr. R. Handberg, 407-823-2608
Dr. E. Kallina, 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 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:
- 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 I 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 or 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
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/es/
E-mail: wwise@mail.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 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. 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

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.

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
- None

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:
- MAR 3391 Professional Selling 3 hrs
- FIN 4941 Finance Internship 3 hrs
Required Courses (12 hrs)

Prerequisite Courses

Certificate Requirements

Other Requirements

Total Semester Hours Required

Foreign Language Requirements

Certificates

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

Certificate Requirements

Prerequisite Courses

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 at only at the time of degree completion.

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses (12 hrs)

- FIN 3504 Investment Analysis 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs

Restricted Electives

None

Foreign Language Requirements

None

Total Semester Hours Required

12

Other Requirements

None

Judaic Studies - Certificate
College of Arts and Humanities
Program in Judaic Studies, Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu
E-mail: judaicst@mail.ucf.edu
Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate.

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses (15 hrs)

- JST 3005 Tenets of Judaism 3 hrs
- JST 3100 The Hebrew Creative Mind 3 hrs
- JST 3120 Hebrew Scriptures 3 hrs
- JST 3121 The Book of Job 3 hrs
- JST 3125 The Book of Job 3 hrs
- JST 3126 Romantic Love in the Bible 3 hrs
- JST 3190 The Biblical Prophets 3 hrs
- JST 3195 The Biblical Prophets 3 hrs
- JST 3195 The Biblical Prophets 3 hrs
- JST 3195 The Biblical Prophets 3 hrs
- JST 3250 Biblical Hebrew 3 hrs
- JST 3312 Identity and Genre 3 hrs
- 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 3450 Modern Jewish Experience 3 hrs
- JST 3450 Modern Jewish Experience 3 hrs
- JST 3450 Modern Jewish Experience 3 hrs
Certificates

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.

Language Development and Disorders - Certificate

College of Health and Public Affairs

Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101

http://www.cohpa.ucf.edu/comdis

E-mail: advising@mail.ucf.edu

TBA

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, pediatrics, 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 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 3716</td>
<td>Language Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4400</td>
<td>Language Disorders Across the Life Span</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3716L</td>
<td>Language Development Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>LIN 3673</td>
<td>Grammar &amp; Advanced Prose Style</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 I, Room: 302

http://www.is.ucf.edu

E-mail: is@mail.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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDR 2001</td>
<td>Foundations of Leadership</td>
<td>2 hrs</td>
</tr>
<tr>
<td>LDR 2002</td>
<td>Intermediate Foundations of Leadership</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

Restricted Requirements
- Choose one course from three of the areas below:

- Communication
  - COM 3011C Communication and Human Relations or
  - COM 3120 Organizational Communication or
  - COM 4661 Intercultural Communication or
  - COM 4462 Conflict Management

- Collaboration
  - INP 3004C Industrial/Organizational Psychology or
  - INP 4313 Organizational Psychology or
  - MAN 4240 Organizations: Theory and Behavior or
  - MAN 3025 Management of Organizations or
  - SPC 4426 Group Dynamics

- Social Relations and Culture
  - ANT 3541 Biobehavioral Anthropology or
  - CLP 3143 Abnormal Psychology or
  - COM 4461 Intercultural Communication or
  - EXP 3304C Motivation or
  - SOP 3004C Social Psychology or
  - SOP 3723 Cross Cultural Psychology or
  - SOP 3742 Psychology of Women or
  - SOP 3784 Psychology of Diversity

- Politics
  - PAD 3003 Public Administration in American Society or
  - PAD 4104 Administrative Theory or
  - PAD 4144 Non-Profit Organizations or
  - PAF 4754 Interdisciplinary Leadership in Public Affairs or
  - POS 3413 The American Presidency or
  - POS 4206 Political Psychology or
  - PUP 3325 Women and Political Behavior

- Ethics
  - BUL 3130 Legal and Ethical Environment of Business or
  - EDF 3601 Professional Ethics in Education or
  - PAD 3040 Ethics and Values in Public Administration or
  - PHI 2108 Critical Thinking or
  - PHI 3640 Environmental Ethics

- PR: COM 3311

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 the six elective marketing hours required in the major

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 3721 Technology Applications in Marketing 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in “e”-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: 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 the six 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: 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 the six 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 the six 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 the six elective marketing hours required in the major.
Certificates

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses

- MAR 3403  Sales Force Management  3 hrs
- MAR 4941  Marketing Internship  3 hrs

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 the six elective marketing hours required in the major.

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

- MAR 4841  Services Marketing  3 hrs
- MAR 4941  Marketing Internship  3 hrs

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 the six elective marketing hours required in the major.

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

- MSL 4301C  Leadership and Management  4 hrs
- MSL 4302C  Officership  4 hrs
- AMH 3547  U.S. Military History Since 1900  3 hrs
- Select 1: 4 hrs
  - MSL 3201C  Leadership and Problem Solving  4 hrs
  - MSL 3202C  Leadership and Ethics  4 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades less than "C-" (1.75) are not accepted.
- No credit by exam (TSD, Military Credit) may be used.
- Internship or Independent Study credit can be used toward the certificate.
- Students earning the Military Science Minor are not eligible for this certificate.

Military Science - Certificate

College of Engineering and Computer Science

Army ROTC, BLDG 501

LTC Bryce Christensen, 407-823-1872

Students enrolled in the UCF Army ROTC Military Science Program who are contracted under a three semester option prior to Commissioning will be eligible for a Military Science Certificate in Military Studies. Application for a Military Science Certificate will be approved by the Military Science Department Chair once a contracted Cadet completes the 12 credit hours of MSL Advanced Course instruction and the 3 credit hour Military History Course for a combined total of 15 credit hours in Military Science.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

- MSL 4301C  Leadership and Management  4 hrs
- MSL 4302C  Officership  4 hrs
- AMH 3547  U.S. Military History Since 1900  3 hrs

Other Requirements

- None

Military Science - Certificate

College of Health and Public Affairs

Department of Public Administration, Health and Public Affairs II, Room: 238

http://www.cohpa.ucf.edu/pubadm
E-mail: pa/ba/bs@mail.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.

Certificate Admission Requirements

- None

Nonprofit Management - Certificate

College of Health and Public Affairs

Department of Public Administration, Health and Public Affairs II, Room: 238

http://www.cohpa.ucf.edu/pubadm
E-mail: pa/ba/bs@mail.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.

Certificate Admission Requirements

- None
Certificate Requirements
- None
Prerequisite Courses
- None
Required Courses (15 hrs)
- PAD 4144 Non-Profit 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 Non-Profit Organizations 3 hrs
- PAD 4153 Planning and Improvement for Pub Org 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, Room: 301 B
http://writingandrhetoric.cah.ucf.edu
Dr. Blake Scott, bscott@mail.ucf.edu, 407-823-1057

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
- Grades lower than a “C” (2.0) GPA will not be accepted for transfer credit.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all appropriate documentation.

Certificate Requirements
- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
- Students must earn a minimum of a 2.5 GPA in coursework used to satisfy certificate.
- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- Students should consult with a department advisor.
- Students cannot earn both the Certificate and the Minor in Writing and Rhetoric.

Prerequisite Courses
Prerequisite
1 ENC 1102 Composition II 3 hrs

1 ENC 1102 is a GEP course. It does not count towards the 12 credit hours needed to fulfill the Public and Professional Writing Certificate requirements.

Required Courses (6 hrs)
Required Core Courses
- ENC 3331 Rhetoric and Civic Engagement 3 hrs
Select 1:
- 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 (3 hrs)
Public, Professional, and Disciplinary Writing 3 hrs
- Students must take one of the following courses (if ENC 3250 is taken as core requirement, it cannot count as a restricted elective):
- ENC 3250 Professional Writing 3 hrs
- ENC 3311 Advanced Expository Writing 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.

Certificates
- ENC 3310 Magazine Writing I 3 hrs
- ENC 3315 Advanced Argumentative Writing 3 hrs
- ENC 3351 Writing for Publication 3 hrs
- ENC 3454 Topics in Public, Professional, and Disciplinary Writing 3 hrs
- ENC 4354 Community Based Research and Writing 3 hrs
- ENC 4416 Writing in Digital Environments 3 hrs
- ENC 4212 Professional Editing 3 hrs

Foreign Language Requirements
- None
Total Semester Hours Required
- 12
Other Requirements (3 hrs)
- Any course offered by the Department of Writing and Rhetoric not used to fulfill other requirements.
- Any 3000 or 4000 level ENC technical communication course.
- Any 3000 or 4000 level approved Gordon Rule course.
- PLA 3155 Legal Writing

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:
- 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
Certificates

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REE 3043</td>
<td>Fundamentals of Real Estate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3433</td>
<td>Real Estate Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 REE 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
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</tr>
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<tbody>
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<td>REE 3043</td>
<td>Fundamentals of Real Estate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3433</td>
<td>Real Estate Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4303</td>
<td>Real Estate Investment Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 REE 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.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
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCC 3311</td>
<td>Security Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 3803</td>
<td>Security Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 4843</td>
<td>Risk Management in Criminal Justice/ Private Security</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4644</td>
<td>White Collar Crime</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)

■ Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 5937</td>
<td>Seminar in Contemporary Legal Problems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 3444</td>
<td>Crime Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 3277</td>
<td>The Law of Torts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCC 3316</td>
<td>Special Security Problems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DSC 4012</td>
<td>Terrorism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
■ None
Service-Learning - Certificate
Office of Undergraduate Studies
Office of Experiential Learning, Ferrell Commons, Room: 203
http://www.explearning.ucf.edu
A. Zeh, azeh@mail.ucf.edu, 407-823-2067

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)
4 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
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/
E-mail: wwise@mail.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. The certificate is intended for University students enrolled outside the College of Education and does not lead to teacher certification or admission to the College of Education. 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 (9 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.

Teaching English as a Foreign Language - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.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
■ 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/
E-mail: forlang@mail.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.
## Certificates

### 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

### Certificate Admission Requirements
- None

### Certificate Requirements
- None

### Prerequisite Courses
- None

### 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
  - CCJ 4664 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 GPA of 2.0 is required in all 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.
- Satisfactory completion of translation and interpretation exit exam.

---

## Women’s Studies - Certificate

### College of Arts and Humanities

### Program in Women’s Studies, Colbourn Hall, Room: 411

### E-mail: womensst@mail.ucf.edu

### 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.
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, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
E-mail: 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.

2. Common Program Prerequisites (CPP) (19 hrs)
- See Aerospace Engineering major in catalog for 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 1086C  Introduction to the Engineering Profession  1 hr
   EGN 1097C  Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level (54 hrs)

   EGN 3310  Engineering Analysis-Statics  3 hrs
   EGN 3321  Engineering Analysis-Dynamics  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 3022  Probability and Statistics for Engineers  3 hrs
   EAS 3010  Fundamentals of Aerospace Flight  3 hrs
   EAS 3011  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 4130  High-Speed Aerodynamics  3 hrs
   EAS 4200  Flight Structures  3 hrs
   EAS 4300  Aerothermodynamics of Propulsion Systems  3 hrs
   EML 3034C  Modeling Methods in Mechanical and Aerospace Engineering  3 hrs
   EML 4320C  Feedback Control  3 hrs
   EGM 3601  Solid Mechanics  3 hrs
   EAS 4210  Space Structural Dynamics  3 hrs

   Select 1:  3 hrs
   EAS 3530  Space Systems Concepts or
   EAS 4505  Orbital Mechanics  3 hrs

5. Restricted Electives (9 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.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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
   EGN 4412C  Interdisciplinary Design I  3 hrs
   Select 1:  3 hrs
   EAS 4710C  Aerospace Design II or
   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, the CLAS and nine hours of Summer credit (if applicable)

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 of 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.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None
Accelerated Undergraduate-Graduate Programs

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.graduatedegreecatalog.ucf.edu/content/Courses.aspx

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.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.)

Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101

http://www.cohpa.ucf.edu/comdis/
E-mail: advising@mail.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 18 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 the junior year of course work in communication sciences and disorders
- 3.5 GPA or better in courses in the major
- 1000 on the combined verbal and quantitative sections of the Graduate Record Examinations and a score of at least 500 on the verbal section
- Completion of a graduate 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, per-sonal strengths and how they have been demonstrated, and future goals.
- Students who achieve a “B” or better for all 18 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 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 (7 hrs)
      Prefer BSC 1005 Biological Principles 3 hrs
      Prefer BSC 1005L Biological Principles Laboratory 1 hr
      Required PHY 2XXX Physics Course 3 hrs

2. Common Program Prerequisites (CPP)
   STA 2014C Principles of Statistics GEP
   BSC 1005 Biological Principles GEP
   PSY 2012 General Psychology GEP
   PHY 2XXX Physics Course (GEP)

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (44 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
   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 4321 Audiologic Rehabilitation 3 hrs
   SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
   DEP 2004C Developmental Psychology 3 hrs
   LIN 3716L Language Development Lab 2 hrs
   LIN 3713 Language Science 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 3 hrs

Statistics Requirement 6 hrs
- Students have two options in completing this requirement:
   Option 1: 6 hrs
      STA 2023 Statistical Methods I and 3 hrs
      STA 4163 Statistical Methods II 3 hrs
   Option 2:
      STA 2014C Principles of Statistics and 3 hrs
      SPA 4803 Research Methods in Communication Sciences and Disorders
      or
      STA 2023 Statistical Methods I and 3 hrs
      SPA 4803 Research Methods in Communication Sciences and Disorders

5. Restricted Electives (9 hrs)
- 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 (3 hrs)
- 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. 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, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 120

Honors In Major
- Interested students should contact the undergraduate program coordinator.

Related Programs
- Health Services Administration
- Psychology
- Social Work
- Exceptional Student Education

Certificates
- Language Development and Disorders

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology
- Communication Sciences and Disorders

Advising Notes
- None

Transfer Notes
- "D" (1.0) grades are not accepted
- Courses taken at community college 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 6402 Preschool Language Disorders 3 hrs
- SPA 6403 School-Aged Language Disorders 3 hrs
- SPA 6410 Aphasis and Related Disorders 3 hrs
- SPA 6503C Entry-Level Clinical Praticum 3 hrs
- SPA 6005 Research in Communicative Disorders 3 hrs

Graduate Courses Link
- 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

Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35.00 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 Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu

E-mail: eecpe-grad@eecs.ucf.edu

Dr. Ronald DeMara
Diana Ashley
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
  - EGN 1007C Engineering Concepts and Methods 1 hr
  - EGN 1006C Introduction to the Engineering Profession 1 hr

4. Core Requirements: Advanced Level (54 hrs)
- Courses Required for the Engineering Core
  - EGN 3310 Engineering Analysis-Statics 3 hrs
  - STA 3032 Probability and Statistics for Engineers GEP

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

5. Core Requirements: Advanced Level (48 hrs)
- Courses Required for the Major
  - COT 3100C Introduction to Discrete Structures 3 hrs
  - COP 3502C Computer Science I 3 hrs
  - COP 3503C Computer Science II 4 hrs
  - COP 3330 Object Oriented Programming 3 hrs
  - COP 4331C Processes for Object-Oriented Software Development 4 hrs
  - EEL 3004 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 4768C Computer Architecture 4 hrs
  - EEL 4781 Computer Communication Networks 3 hrs
  - COP 4600 Operating Systems 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
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.
   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 resi-
      dency 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, the
      CLAS and nine hours of Summer credit (if applicable)

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.eecs.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 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 Corp. Engineering Center, Room: 437

http://www.eecs.ucf.edu
Dr. Hassan Foroosh, foroosh@eecs.ucf.edu
Diane Ashley, eecpe-grad@eecs.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) \((39 \text{ hrs})\)
   - 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) \((17 \text{ hrs})\)
   - See Computer Science major in the catalog for the CPP require-
     ments.

3. Core Requirements: Basic Level \((25 \text{ hrs})\)
   - 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 4 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
   - CEG 3360 Security in Computing 3 hrs
   - COP 3402 Systems Software 3 hrs
   - COT 3960 CS Foundation Exam 0 hrs

4. Core Requirements: Advanced Level \((20 \text{ hrs})\)
   - 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 4 hrs
   - EEL 4768C Computer Architecture 4 hrs
   - COT 4210 Discrete Structures II 3 hrs
   - COP 4020 Programming Languages I 3 hrs
   - COP 4650 Operating Systems 3 hrs
   - COP 4810 Topics in Computer Science 3 hrs

5. Restricted Electives \((15 \text{ hrs})\)
5000 level Computer Science courses \(9 \text{ hrs}\)
   - Must be offered by Computer Science at UCF. At most 3 hours of
     independent study allowed. No internship or cooperative education ed-
     ucations are allowed. Approved IT courses offered by Computer Science may
     be used toward this requirement (3 credits).
4000-5000 level mathematics or statistics \(6 \text{ hrs}\)
   - courses from: STA, MAP, MAA, MAD, MAS prefixes and the follow-
     ing courses.
   - No independent study hours, internship, or cooperative education
     hours are allowed.
   - MAF 2313 Calculus with Analytic Geometry III 4 hrs
   - MAF 2302 Differential Equations 3 hrs
Accelerated Undergraduate-Graduate Programs

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

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
Dr. Ronald DeMara, demara@eecs.ucf.edu
Diana Ashley, eecpe@eecs.ucf.edu
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 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)
- Engineering Core: Basic
  - EGN 1006C Introduction to the Engineering Profession 1 hr
  - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)
- Engineering Core: Advanced 12 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.
  - EGN 3310 Engineering Analysis-Statistics 3 hrs
  - EGN 3420 Engineering Analysis 3 hrs
  - STA 3032 Probability and Statistics for Engineers 3 hrs
  - PHY 3101 Physics for Engineers and Scientists III 3 hrs
- Select 1: 3 hrs
  - EGN 3321 Engineering Analysis-Dynamics 3 hrs
  - EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major (41 hrs)
- EEL 3004 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

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

M.S. Electrical Engineering (53 hrs)

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**EEE 4309C**  
Electronics II  
4 hrs

**EEL 4750**  
Digital Signal Processing Fundamentals  
3 hrs

**EEL 4742C**  
Embedded Systems  
4 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)
- **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**
- 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, the CLAS and nine hours of Summer credit (if applicable)

**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

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**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.o eas.ucf.edu/alic/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alic/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

**College of Arts and Humanities**

**Department of History, Colbourn Hall, Room: 551**

[http://www.history.cah.ucf.edu/](http://www.history.cah.ucf.edu/)

**E-mail: Graduate program: hisgrad@mail.ucf.edu**

**E-mail: Undergraduate program: history@mail.ucf.edu**

Dr. Rosalind Beiler, 407-823-2225  
Phone: 407-823-2225

Purpose of this degree - 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 course work 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 courses.
- 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.

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Accelerated Undergraduate-Graduate Programs

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.

3. Core Requirements: Basic Level (6 hrs)
   Select one of the following sequences of courses:
   
   EUH 2000  Western Civilization I and EUH 2001  Western Civilization II  
   3 hrs 3 hrs
   or WOH 2012  World Civilization I and WOH 2022  World Civilization II  
   3 hrs 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   Select six hours of approved history courses 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

5. Restricted Electives (21 hrs)
   (Must be taken within the History Department)
   
   Select six hours of approved history courses within 18 hrs
   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.

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, the CLAS and nine hours of Summer credit (if applicable)

   Total Undergraduate Hours Required 120
   Total Combined Hours Required 147

Honors In Major
None

Related Programs
None

Certificates
None

Related Minors
- African American Studies
- American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Middle Eastern Studies
- Women’s Studies

Advising Notes
None

Transfer Notes
Courses taken at community colleges 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.oelas.ucf.edu/alc/academic_learning_compacts.htm
Accelerated Undergraduate-Graduate Programs

Industrial Engineering - Accelerated

Undergraduate-Graduate Program (B.S.)

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 is 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)
   ■ 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 (58 hrs)
   Courses Required for the Major
   58 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.

   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
   EGN 3613 Engineering Economic Analysis 2 hrs
   2 EIN 5108 The Environment of Technical Organizations 3 hrs
   STA 3032 Probability and Statistics for Engineers 3 hrs
   EIN 3001 Introduction to Industrial Engineering and Management Systems 3 hrs
   EIN 3314 Work Analysis and Design 3 hrs
   EIN 3354 Principles of Cost Engineering 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
   EIN 4517 Systems Engineering 3 hrs
   ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
   ESI 4234 Quality Engineering 3 hrs
   3 ESI 5306 Operations Research 3 hrs
   4 ESI 5531 Discrete Systems Simulation 3 hrs
   5 ESI 4523C Industrial Engineering Applications of Computers 3 hrs
   EIN 4516C Systems Analysis and Design 3 hrs
   EIN 4517C 3 hrs
   EIN 4523C 3 hrs
   EIN 4523C 3 hrs
   5. Restricted Electives (4 hrs)
   ■ Three (3) hours of technical electives should be taken at the 5000 or 6000 level and 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

EIN 4516C Systems Analysis and Design 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, the CLAS and nine hours of Summer credit (if applicable)

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
**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)
   - EGN 1006C Introduction to the Engineering Profession 1 hr
   - EGN 1007C Engineering Concepts and Methods 1 hr

   **B: Cultural & Historical Foundations** (9 hrs)
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3343 Thermodynamics 3 hrs
   - EGN 3385 Structure and Properties of Materials 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs
   - STA 3023 Probability and Statistics for Engineers GEP

   **C: Mathematical Foundations** (7 hrs)
   - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   - EML 3303C Mechanical Engineering Measurements 3 hrs
   - EML 4312C Feedback Control 3 hrs
   - EML 3500 Machine Design and Analysis 3 hrs
   - EGM 3601 Solid Mechanics 3 hrs
   - EML 3701 Fluid Mechanics I 3 hrs
   - EML 4142 Heat Transfer 3 hrs
   - EML 4223 Vibration Analysis 3 hrs
   - EML 4535C CAD/CAM 3 hrs

   **D: Social Foundations** (6 hrs)
   - STA 3032 Probability and Statistics for Engineers GEP

   **E: Science Foundations** (7 hrs)
   - EML 4535C CAD/CAM 3 hrs

2. **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.

3. **Core Requirements: Basic Level** (2 hrs)
   - None

4. **Core Requirements: Advanced Level** (63 hrs)
   - None

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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### Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.)

**College of Engineering and Computer Science**

**Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307**

[http://www.mmae.ucf.edu](http://www.mmae.ucf.edu)

Dr. Alan Kassab, alan.kassab@ucf.edu, 407-823-5778

Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137

Phone: 407-823-2416

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### 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.

### Degree Requirements

- **None**

1. **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)
   - EGN 1006C Introduction to the Engineering Profession 1 hr
   - EGN 1007C Engineering Concepts and Methods 1 hr

   **B: Cultural & Historical Foundations** (9 hrs)
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3343 Thermodynamics 3 hrs
   - EGN 3385 Structure and Properties of Materials 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs
   - STA 3023 Probability and Statistics for Engineers GEP

   **C: Mathematical Foundations** (7 hrs)
   - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   - EML 3303C Mechanical Engineering Measurements 3 hrs
   - EML 4312C Feedback Control 3 hrs
   - EML 3500 Machine Design and Analysis 3 hrs
   - EGM 3601 Solid Mechanics 3 hrs
   - EML 3701 Fluid Mechanics I 3 hrs
   - EML 4142 Heat Transfer 3 hrs
   - EML 4223 Vibration Analysis 3 hrs
   - EML 4535C CAD/CAM 3 hrs

   **D: Social Foundations** (6 hrs)
   - STA 3032 Probability and Statistics for Engineers GEP

   **E: Science Foundations** (7 hrs)
   - EML 4535C CAD/CAM 3 hrs

2. **2. Common Program Prerequisites (CPP)** (19 hrs)
   - See Common Program Prerequisites in the Transfer and Transitions Services section for more information.
   - See Mechanical Engineering major in the Catalog for CPP requirements.

3. **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. **4. Core Requirements: Advanced Level** (63 hrs)
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3343 Thermodynamics 3 hrs
   - EGN 3385 Structure and Properties of Materials 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs
   - STA 3023 Probability and Statistics for Engineers GEP
   - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   - EML 3303C Mechanical Engineering Measurements 3 hrs
   - EML 4312C Feedback Control 3 hrs
   - EML 3500 Machine Design and Analysis 3 hrs
   - EGM 3601 Solid Mechanics 3 hrs
   - EML 3701 Fluid Mechanics I 3 hrs
   - EML 4142 Heat Transfer 3 hrs
   - EML 4223 Vibration Analysis 3 hrs
   - EML 4535C CAD/CAM 3 hrs

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**Select one of the following three options for your senior year to complete your BSME:**

**Energy Systems Option** 21 hrs
- EML 3101 Thermodynamics of Mechanical Systems and 3 hrs
- EML 4304C Design of Thermo-Fluid Experiment and 2 hrs
- EML 4703 Fluid Mechanics II and 3 hrs
- EML 4145 Topics in Heat Transfer and 2 hrs
- EML 4221C Mechanical Systems Experimental and Techniques and 2 hrs
- Approved Electives (5000 level course) 9 hrs

**Mechanical Systems Option** 21 hrs
- EML 4304C Design of Thermo-Fluid Experiment and 2 hrs
- EML 3202 Kinematics of Mechanisms and 3 hrs
- EGM 3601L Solid Mechanics Lab and 2 hrs
- EML 4221C Mechanical Systems Experimental and Techniques and 2 hrs
- Approved Electives (5000 level course) 12 hrs

**Materials Option** 21 hrs
- EMA 3012C Experimental Techniques in Mechanics and Materials and 3 hrs
- EMA 4102 Thermodynamics and Kinetics of Materials and 3 hrs
- EMA 3124 Design and Selection of Materials and 3 hrs
- EMA 4223 Fundamentals of Mechanical Behavior of Materials and 3 hrs
- Approved Electives (5000 level course) 9 hrs

5. **Restricted Electives**
   - Technical electives should be taken at the 5000 or 6000 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**

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**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.

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**Graduation**

- None

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**Electives**

- None

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**9. Additional Requirements**

- None

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**10. Required Minors**

- None

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**11. Departmental Exit Requirements**

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:
- EML 4501C Engineering Design I or 3 hrs
- EGN 4412C Interdisciplinary Design I 3 hrs

Select 2:
- EML 4502C Engineering Design II or 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

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**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, the CLAS and nine hours of Summer credit (if applicable)

**Total Undergraduate Hours Required**

128
Accelerated Undergraduate-Graduate Programs

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:
- 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 0 hrs Advising I
- EML 4991 Mechanical Career and Academic Faculty 0 hrs Advising II

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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.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
- Applicants are encouraged to attend an information session, prior to submitting the application.
- 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
- CHM 1032 General Chemistry 3 hrs
- or other approved Life/Physical Science

Group B
- grade of C (2.0) or better
- Sociology or 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 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.
- MCB 1004C Microbiology for Health Professionals 4 hrs
- CHM 1032 General Chemistry 3 hrs
- ZOO 1004C Human Anatomy 4 hrs
- 3733C
Accelerated Undergraduate-Graduate Programs

1 PCB 3703C Human Physiology 4 hrs
2 HUN 3011 Human Nutrition 3 hrs

Select 1: Principles of Statistics 3 hrs
   STA 2014C
   STA 2023 Statistical Methods I 3 hrs

Select 1: Assessing I: Human Development or
   SOW 3104 or Developmental Psychology 3 hrs

Select 1: General Psychology or
   PSY 2102 or Introduction to Sociology 3 hrs

4. Core Requirements: Advanced Level (57 hrs)

Students without a research course on transcript must take NUR 3165
3 hrs

1. Select 1: Nursing Elective 3 hrs
   Nursing Care of the Adult I: Clinical Practice
   NUR 3225 Nursing Care of the Adult I 3 hrs
   NUR 3225L Nursing Care of the Adult I: Clinical Practice
   NUR 3445 Nursing Care of Families 3 hrs
   NUR 3445L Nursing Care of Families Clinical 2 hrs
   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
   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

5. Restricted Electives 3 hrs

Select 1: Nursing Elective
   Nursing Elective 3 hrs
   NUR 3165 Accelerated Nursing Research Seminar 1 hr
   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
   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. Select 1: Core Requirements: Basic Level
   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 3082 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 3755 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
   NUR 3445 Nursing Care of Families 3 hrs
   NUR 3445L Nursing Care of Families Clinical 2 hrs
   NUR 3445L 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
   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

5. Select 1: Core Requirements: Basic Level
   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 3082 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 3755 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
   NUR 3445 Nursing Care of Families 3 hrs
   NUR 3445L Nursing Care of Families Clinical 2 hrs
   NUR 3445L 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
   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

6. Capstone Requirements

7. Foreign Language Requirements
   Admissions
   None
   Graduation
   None

8. Electives
   None

9. Additional Requirements
   Mandatory Drug Screening is 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

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, the CLAS and nine hours of Summer credit (if applicable)

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
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 physical or life 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 2004) or any Human Growth & Development Across Life Span (3 hrs)
Human Nutrition with Therapeutic Nutrition (3 hrs)

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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $25 per term
Full-Time Student: $50 per term

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Accelerated Undergraduate-Graduate Programs

Nursing - R.N. to M.S.N. Option (B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu

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:

1. 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 community or state college, including CLAS (or exempt)
- Completion of prerequisites for the RN to BSN nursing program
- Minimum cumulative GPA of 3.0. (all prior college coursework)
- Admitted to UCF undergraduate program
- Two professional references addressing qualifications and ability to succeed in graduate school

Application to and acceptance by UCF Graduate Studies (see Graduate Studies website for deadlines)

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.
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
- An updated resume

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 community college 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 Community or State College or other universities
- 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
Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Required STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

Select 1:
- 1 or other physical or life 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)

Select 1:
- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

E: Science Foundations (6 hrs)
Suggested BSC 2010C Biology I 4 hrs
Required CHM 1032 General Chemistry 3 hrs

F: Social Science Foundations (6 hrs)

Select 1:
- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

Select 1:
- SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology

Select 1:
- PSY 2012 General Psychology or SYG 2000 Introduction to Sociology

Select 1:
- ECO 2023 Principles of Microeconomics

Other physical or life science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

1. May take Anatomy and Physiology sequence of six-eight total credits.

1. Or other physical or life science. 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 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 4637 Public Health Nursing 2 hrs

NURSE EDUCATOR / CLINICAL NURSE LEADER 12 hrs

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 5638 Health Promotion and 3 hrs
NGR 5141 Pathophysiological Bases for Advanced Nursing Practice and 3 hrs
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

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NURSING LEADERSHIP & MANAGEMENT TRACK 12 hrs

- Takes the following 12 credits (nine graduate credits also applied to MSN)
  
- NGR 5720 Organizational Dynamics and
  
- NGR 5871 Health Care Informatics and
  
- NGR 5800 Theory for Advanced Practice Nursing and
  
- NUR 3065 Health Assessment and
  
- NUR 3065L Health Assessment Lab

5. Restricted Electives

Upper Division Credit 27 hrs

- May be met by validation

- NUR 3028 Essentials of Nursing Practice
  
- NUR 3028L Essentials of Nursing Practice Lab
  
- NUR 3225 Nursing Care of the Adult I
  
- NUR 3226 Nursing Care of the Adult I Clinical Practice
  
- NUR 3445 Nursing Care of Families
  
- NUR 3446L Nursing Care of Families Clinical
  
- NUR 3755 Essentials of Nursing Practice Clinical
  
- NUR 4227 Nursing Care of the Adult II
  
- NUR 4227L Nursing Care of the Adult II Clinical Practice
  
- NUR 4535 Psychiatric Mental Health Nursing
  
- NUR 4535L Psychiatric Mental Health Clinical

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, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required

- 120

Honors In Major

- None

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.
The University offers five specialized degree programs for students who have graduated from a Florida public community college 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 state-wide 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 college 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 community college 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 write on the front of their application for admission to UCF, “A.S. - B.A./B.S.” or 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 and CLAS 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) 823-1509, or the Director of Transfer and Transition Services, (407) 823-2231.

STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

Applied Science (BAS) A.S. to B.S. Track (B.A.S.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies, 12201 Research Parkway, Room: Suite 101
http://www.regionalcampuses.ucf.edu/
Helen Hill, Director, Regional Campus Advising, 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. 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 Community 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 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.

Admission Requirements
- Completion of an A.S. degree from a Florida public community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

Degree Requirements
- 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 CLAS, 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:
     - Communication Foundations (9 hrs)
     - Cultural & Historical Foundations (9 hrs)
     - Mathematical Foundations (6 hrs)
     - Social Foundations (6 hrs)
     - Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level (10 hrs)
   - MAN 3026 Management of Organizations 4 hrs
   - Select 1:
     - BUL 3130 Legal and Ethical Environment of Business 4 hrs
     - PLA 3014 Law and the Legal System 3 hrs
   - Select 1:
     - ENC 3241 Writing for the Technical Professional 3 hrs
     - ENC 3260 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:
- IND 3004 Industrial/Organizational Psychology and Management 3 hrs
- MAR 3023 Marketing and Management for Non-Business Majors and Majors and 4 hrs
- MAN 3354 Essentials of Human Resource Management for Non-Business Majors and 3 hrs
- ACG 3082 Accounting For Non-Business Majors and Restricted Elective (Consult with Program Advisor) 3 hrs
### Industrial Operations Track 21 hrs
- Students are strongly urged to complete STA 2023 within the general education program.

**Take all of the following:** 21 hrs
- ETI 3116 Applied Engineering Quality Assurance and Assurance and 3 hrs
- ETI 3671 Technical Economic Analysis and Analysis and 3 hrs
- ETI 4186 Applied Reliability and 3 hrs
- ETI 4635 Technical Administration and 3 hrs
- ETI 4640 Operations Management for Technologists and 3 hrs
- ETI 4448 Applied Project Management and 3 hrs
- CET 3010 Introduction to Information Technology 3 hrs

### 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
- 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
  - 1 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
  - 2 HSA 4191 Health Care Automation and 3 hrs
  - 3 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 4502 Health Administration Systems or 3 hrs
- HSA 4702 Health Sciences Research Methods or 3 hrs
- HIM 4508C Quality Management 3 hrs

1 HSA 3111 is a prerequisite for all of the following classes
2 PR: CGS 2100C
3 PR: STA 2014C or STA 2023

### 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
- 1 CET 3383 Applied Systems Analysis I and 3 hrs
- 1 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
- 2 CET 4663 Computer and Network Security and 3 hrs
- 1 CET 4483 Intro to Local Area Network Technology 3 hrs
1 PR: Object oriented programming course with COP prefix or equivalent or C.I.
2 PR: CET 4483, and MAC 1105

### Early Childhood Education A.S. To B.S. Programs

- **Take all of the following:** 21 hrs
  - EEC 3700 Social and Emotional Development of Young Children and 3 hrs
  - RED 3310 Early Reading, Writing and Language Arts and 3 hrs
  - EEC 4268 Curriculum Activities in Early Childhood and 3 hrs
  - 1 EEC 4604 Classroom Management and Guidance of Young Children and 3 hrs
  - EEX 4751 Parent Involvement in Education and 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools and 3 hrs
  - EEX 3450 Young Children With Special Needs 3 hrs
1 PR: EEC 3700

6. **Capstone Requirements**
- None

7. **Foreign Language Requirements**

6. **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**
- 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- None

**Transfer Notes**
- Students have the option of completing the state approved general education program at a Florida Community 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 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 36 hours at UCF.
- Courses taken at community colleges 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.
Statewide Articulated A.S. To B.S. Programs

- All students seeking a baccalaureate degree from State of Florida Institution are required to satisfy the CLAS requirement. Transfer students with more than 60 semester hours who have not met the CLAS require-
- ment may be admitted, but they must satisfy the CLAS requirement dur-
- ing their first semester 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Criminal Justice - A.S. to B.S. Track (B.S.M.S.)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
Health and Public Affairs, Room: 311
http://www.cohipa.ucf.edu/crim.jus/
E-mail: cjadvise@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 public community college)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public community college which is composed of 64 hours of course work, including at least 16 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 community college
- 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 (18 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

5. Restricted Electives (30 hrs)
- 27 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 combina-
- tion 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 resi-
- dency 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, the
- CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 130

Honors In Major
- None

Related Programs
- Legal Studies

Certificates
- None

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.oeas.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 public community college.
Statewide Articulated A.S. To B.S. Programs

Admission Requirements
- Completion of a Statewide Articulated A.S. in Business

Administration from a Florida public community college 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 and CLAS requirements prior to admission to this degree.
- 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 earn a grade of “C” (2.0) or better in each course applied toward the major.
- Students must have at least a 2.0 GPA in the major and COB.

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 (32 hrs)
- First of subsequent semester in the College of Business 32 hrs

  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
  - 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 Management 4 hrs

5. Restricted Electives (15 hrs)
- Students must take at least one course from each of the following areas. These five courses are restricted to the courses listed below.
- At least two of the following courses must be at the 4000 level.

Finance
- FIN 3303 Financial Markets or 3 hrs
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 3504 Investment Analysis 3 hrs

Management
- GEB 3113 How to Start a Business or 3 hrs
- GEB 4435 Moral Foundations of Business or 3 hrs
- MAN 3301 Management of Human Resources or 3 hrs
- MAN 4240 Organizations: Theory and Behavior or 3 hrs
- MAN 4441 Conflict Resolution and Negotiation 3 hrs

Marketing
- MAR 3403 Sales Force Management or 3 hrs
- MAR 3413 Marketing Analysis and Research or 3 hrs
- MAR 4156 International Marketing or 3 hrs
- MAR 4841 Services Marketing 3 hrs

Economics
- ECO 4703 is required. ECP 3203 and ECP 3223 are restricted electives only. With permission of an Economics advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. This substitution must be petitioned and have written approval.
- ECO 3223 Money and Banking and 3 hrs
- ECP 3203 Labor Economics and 3 hrs
- ECP 4703 Managerial Economics 3 hrs

A.S. Transfer Courses
- 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
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 132
**Statewide Articulated A.S. To B.S. Programs**

1. **UCF General Education Program (GEP)**
   - 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)**
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Core Requirements: Basic Level**
   - **(3 hrs)**
   - **Select 1:**
     - CGS 2100C: Computer Fundamentals for Business or
     - STA 2023: Statistical Methods I
   - **(3 hrs)**
   - **Select 1:**
     - ECO 2013: Principles of Macroeconomics or
     - ECO 2023: Principles of Microeconomics

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 the Hospitality Industry
     - **(3 hrs)**
     - **HFT 4464:** Hospitality Industry Finance
     - **(3 hrs)**
     - **HFT 4941:** Internship
     - **(1 hr)**
     - **HFT 4944:** Practicum
   - **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
   - **Guest Lecture**
     - **1 hr**
     - 1 HFT 3933: Distinguished Lectures in Hospitality Management
   - **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)**
     - **(5 hrs)**
     - **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:** Hotel Operations
     - **(3 hrs)**
     - **HFT 4266:** Restaurant 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 Planning and Design
     - **(3 hrs)**
     - **HFT 4358:** Golf & Club Facility Design
     - **(3 hrs)**
     - **HFT 4432:** Hospitality Industry Auditing
     - **(3 hrs)**
     - **HFT 4473:** Hotel Development Analysis
     - **(3 hrs)**
Statewide Articulated A.S. To B.S. Programs

Nursing - A.S. to B.S.N. Track (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean
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 2.5
  - Completion of a Statewide Articulated AS in Nursing from a Florida public community or state college 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 public community or state college should follow section “B” - RN to BSN Program
  - Current RN License or license eligible
### 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 when enrolling in the Nursing Program.
- Students must complete significant coursework in a Florida community or state college or other universities 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

#### 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 enrollment in NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college should complete those courses prior to their last 30 hours at UCF.

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
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<tr>
<td>Required SPC 1608 Fundamentals of Oral Communication</td>
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<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
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<tbody>
<tr>
<td>Required STA 2014C Principles of Statistics</td>
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<thead>
<tr>
<th>C: Mathematical Foundations (6 hrs)</th>
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<tbody>
<tr>
<td>Required STA 2014C Principles of Statistics</td>
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<tr>
<th>D: Social Foundations (6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Required SYG 2000 Introduction to Sociology</td>
</tr>
<tr>
<td>Required PSY 2012 General Psychology</td>
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<thead>
<tr>
<th>E: Science Foundations (7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required BSC 2010C Biology I</td>
</tr>
<tr>
<td>Required CHM 1032 General Chemistry</td>
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</table>

<table>
<thead>
<tr>
<th>2. Common Program Prerequisites (CPP) (18 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
</tr>
</tbody>
</table>

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<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>1. CHM 1032 General Chemistry GEP</td>
</tr>
<tr>
<td>1. HNN 2011 Human Nutrition GEP</td>
</tr>
<tr>
<td>2. MCB 2004C Microbiology for Health Professionals GEP</td>
</tr>
<tr>
<td>2. PCB 3703C Human Physiology GEP</td>
</tr>
<tr>
<td>2. ZBO 3733C Human Anatomy GEP</td>
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<tr>
<th>Select 1:</th>
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<tbody>
<tr>
<td>3. STA 2014C Principles of Statistics or Statistical Methods I GEP</td>
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<th>Select 1:</th>
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<tbody>
<tr>
<td>4. SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology GEP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5. SYG 2000 Introduction to Sociology GEP</td>
</tr>
</tbody>
</table>

1. (or other Physical or Life Science) Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

- May take Anatomy and Physiology sequence of six-eight total credits
- Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

<table>
<thead>
<tr>
<th>3. Core Requirements: Basic Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. Core Requirements: Advanced Level (51 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UCF Core</td>
</tr>
<tr>
<td>NUR 3805 Dimensions of Professional Nursing Practice</td>
</tr>
<tr>
<td>NUR 3065 Health Assessment</td>
</tr>
<tr>
<td>NUR 3065L Health Assessment Lab</td>
</tr>
<tr>
<td>NUR 3165 Nursing Research</td>
</tr>
<tr>
<td>NUR 3634 Community Health Nursing</td>
</tr>
</tbody>
</table>

| 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 |

#### 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 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 |

<table>
<thead>
<tr>
<th>5. Restricted Electives (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSP/NUR XXXX Any two upper division nursing electives</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6. Capstone Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>7. Foreign Language Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8. Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>variable to meet degree requirements</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9. Additional Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.</td>
</tr>
<tr>
<td>Complete all courses in major with at least a “C” (2.0)</td>
</tr>
<tr>
<td>Maintain a UCF GPA of 2.5 or above</td>
</tr>
<tr>
<td>Maintain a College of Nursing GPA of 2.5 or above</td>
</tr>
</tbody>
</table>

#### 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 Community or State College or University (SUS); 3) complete Nursing prerequisites; 4) satisfy CLAS requirement; and 5) complete foreign language admission requirement.

<table>
<thead>
<tr>
<th>Select 1:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any two upper division nursing electives</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10. Required Minors</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</table>

<table>
<thead>
<tr>
<th>11. Departmental Exit Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Completion of all courses in major with a grade of “C” (2.0) or better</td>
</tr>
<tr>
<td>Cumulative overall GPA of 2.5 or above</td>
</tr>
<tr>
<td>College of Nursing GPA of 2.5 or above</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12. University Minimum Exit Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 2.0 UCF GPA</td>
</tr>
<tr>
<td>60 semester hours earned after CLEP awarded</td>
</tr>
<tr>
<td>48 semester hours of upper division credit completed</td>
</tr>
<tr>
<td>30 of the last 39 hours of course work must be completed in residency at UCF</td>
</tr>
<tr>
<td>A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Services credits permitted.</td>
</tr>
<tr>
<td>Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)</td>
</tr>
</tbody>
</table>

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**Statewide Articulated A.S. To B.S. Programs**

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**UNIVERSITY OF CENTRAL FLORIDA**

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400 Undergraduate Catalog 2011-2012
Statewide Articulated A.S. To B.S. Programs

Total Semester Hours Required
- 128

Honors In Major
- None

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
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oelas.ucf.edu/alcacademic_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. Sub collegiate 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 28 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System 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 Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, 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. (Exceptions are listed below.)

For example, a freshman composition skills course is offered by 56 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, having the same prefix and course number without a lab indicator, which 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 community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college 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 semester-term systems. 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 sub-category 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

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code (first digit)</th>
<th>Century Digit (second digit)</th>
<th>Decade Digit (third digit)</th>
<th>Unit Digit (fourth digit)</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>English Composition</td>
<td>Lower (Freshman) Level at this institution</td>
<td>Freshman Composition</td>
<td>Freshman Composition Skills</td>
<td>Freshman Composition Skills I</td>
<td>No Laboratory component in this course</td>
</tr>
</tbody>
</table>

UNIVERSITY OF CENTRAL FLORIDA
**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 varying topics courses that must be evaluated individually, or applied 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, Thesis 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 transferrable. These courses need evidence of achievement (i.e., portfolio, audition, interview, etc.).

**Courses at Nonregionally Accredited Institutions**

The Statewide Course Numbering System 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 non-public 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 Statewide Course Numbering System 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 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 Statewide Course Numbering System office at (850) 245-0427 or via the internet at http://scns.fldoe.org.

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABE</td>
<td>Agricultural and Biological Engineering</td>
</tr>
<tr>
<td>ABT</td>
<td>Arabic Culture in Translation or Translation Skills</td>
</tr>
<tr>
<td>ABW</td>
<td>Arabic Literature (Writings)</td>
</tr>
<tr>
<td>ACG</td>
<td>Accounting: General</td>
</tr>
<tr>
<td>ACO</td>
<td>Accounting: Occupational/Technical Variable Paced</td>
</tr>
<tr>
<td>ACR</td>
<td>HVACR: Heating/Ventilation/AC/Refrigeration</td>
</tr>
<tr>
<td>ADE</td>
<td>Adult Education</td>
</tr>
<tr>
<td>ADV</td>
<td>Advertising</td>
</tr>
<tr>
<td>AEB</td>
<td>Agricultural Economics and Business</td>
</tr>
<tr>
<td>AEC</td>
<td>Agricultural Education and Communication</td>
</tr>
<tr>
<td>AEE</td>
<td>Agriculture and Extension Education</td>
</tr>
<tr>
<td>AER</td>
<td>Automotive Mechanics</td>
</tr>
<tr>
<td>AFA</td>
<td>American-African Studies</td>
</tr>
<tr>
<td>AFH</td>
<td>African History</td>
</tr>
<tr>
<td>AFR</td>
<td>Aerospace Studies</td>
</tr>
<tr>
<td>APS</td>
<td>African Studies</td>
</tr>
<tr>
<td>AGE</td>
<td>Agricultural Engineering</td>
</tr>
<tr>
<td>AGG</td>
<td>Agriculture - General</td>
</tr>
<tr>
<td>AGH</td>
<td>Agronomy</td>
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<tr>
<td>AMH</td>
<td>Amharic Language</td>
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<td>AHT</td>
<td>Amharic Culture in Translation or Translation Skills</td>
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<tr>
<td>AHW</td>
<td>Amharic Literature (Writings)</td>
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<td>AKA</td>
<td>Akankhu Languages</td>
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<td>AKT</td>
<td>Akan Culture in Translation or Translation Skills</td>
</tr>
<tr>
<td>AKW</td>
<td>Akan Literature (Writings)</td>
</tr>
<tr>
<td>ALS</td>
<td>Agriculture and Life Sciences</td>
</tr>
<tr>
<td>AMH</td>
<td>American History</td>
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<tr>
<td>AML</td>
<td>American Literature</td>
</tr>
<tr>
<td>AMS</td>
<td>American Studies</td>
</tr>
<tr>
<td>AOM</td>
<td>Aviation Maintenance Technology</td>
</tr>
<tr>
<td>ANG</td>
<td>Anthropology - Graduate</td>
</tr>
<tr>
<td>ANS</td>
<td>Animal Science</td>
</tr>
<tr>
<td>ANT</td>
<td>Anthropology</td>
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<tr>
<td>APO</td>
<td>Applied Operations Management</td>
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<td>APA</td>
<td>Applied Accounting</td>
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<tr>
<td>APK</td>
<td>Applied Kinesiology</td>
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<tr>
<td>ARA</td>
<td>Arabic Language</td>
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<td>ARC</td>
<td>Architectural Technology</td>
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<td>ARD</td>
<td>Architectural Design</td>
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<td>ARH</td>
<td>Art History</td>
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<tr>
<td>ARR</td>
<td>Autobody Repair and Refinishing</td>
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<td>ART</td>
<td>Art</td>
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<td>ARV</td>
<td>Art, Vocational</td>
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<tr>
<td>ASC</td>
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<td>ASG</td>
<td>Animal Science: General</td>
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<td>Asian History</td>
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<tr>
<td>ASL</td>
<td>American Sign Language</td>
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<td>ASN</td>
<td>Asian Studies</td>
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<tr>
<td>AST</td>
<td>Astronomy</td>
</tr>
<tr>
<td>ATE</td>
<td>Animal Science Technology</td>
</tr>
<tr>
<td>ATV</td>
<td>Aviation Technology: Flight</td>
</tr>
<tr>
<td>ATT</td>
<td>Aviation Technology: Theory</td>
</tr>
<tr>
<td>AVM</td>
<td>Aviation Management</td>
</tr>
<tr>
<td>AVS</td>
<td>Avionics</td>
</tr>
<tr>
<td>AYM</td>
<td>Aymara Language</td>
</tr>
<tr>
<td>BAN</td>
<td>Banking (ABE Courses Only)</td>
</tr>
<tr>
<td>BCA</td>
<td>Building Construction Apprenticeships</td>
</tr>
<tr>
<td>BAB</td>
<td>Basic Clinical Clerkships (Required)</td>
</tr>
<tr>
<td>BCI</td>
<td>Biochemistry (Biophysics)</td>
</tr>
<tr>
<td>BON</td>
<td>Building Construction</td>
</tr>
<tr>
<td>BCT</td>
<td>Building Construction Trades</td>
</tr>
<tr>
<td>BCC</td>
<td>Building Construction: Vocational</td>
</tr>
<tr>
<td>BME</td>
<td>Biomedical Engineering</td>
</tr>
<tr>
<td>BMS</td>
<td>Basic Medical Sciences</td>
</tr>
<tr>
<td>BOT</td>
<td>Botany</td>
</tr>
<tr>
<td>BRC</td>
<td>Biological Sciences</td>
</tr>
<tr>
<td>BTE</td>
<td>Business Teacher Education</td>
</tr>
<tr>
<td>BUL</td>
<td>Business Law</td>
</tr>
<tr>
<td>CAP</td>
<td>Computer Applications</td>
</tr>
<tr>
<td>CAS</td>
<td>Clinical Audiology and Speech Language Pathology (Disc 8/06)</td>
</tr>
<tr>
<td>CAT</td>
<td>Catalian Language</td>
</tr>
<tr>
<td>CBL</td>
<td>Comparative Psychology and Animal Behavior</td>
</tr>
<tr>
<td>CCE</td>
<td>Civil Construction Engineering</td>
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<tr>
<td>CCA</td>
<td>Criminology and Criminal Justice</td>
</tr>
<tr>
<td>CDA</td>
<td>Computer Design/Architecture</td>
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<tr>
<td>CGE</td>
<td>Civil Geotechnical Engineering</td>
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<td>CEN</td>
<td>Computer Software Engineering</td>
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<td>CES</td>
<td>Civil Engineering Structures</td>
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<td>Civil Engineering</td>
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<tr>
<td>CGB</td>
<td>Computer General Studies</td>
</tr>
<tr>
<td>CHD</td>
<td>Home Economics: Child Development</td>
</tr>
<tr>
<td>CHI</td>
<td>Chinese</td>
</tr>
<tr>
<td>CHM</td>
<td>Chemistry</td>
</tr>
<tr>
<td>CHR</td>
<td>Chiropractic</td>
</tr>
<tr>
<td>CHS</td>
<td>Chemistry - Specialized</td>
</tr>
<tr>
<td>CHT</td>
<td>Chinese Culture in Translation or Translation Skills</td>
</tr>
<tr>
<td>CHW</td>
<td>Chinese Literature (Writings)</td>
</tr>
<tr>
<td>CIS</td>
<td>Computer Science and Information Systems</td>
</tr>
<tr>
<td>CBJ</td>
<td>College Level Application in Criminal Justice</td>
</tr>
<tr>
<td>CJC</td>
<td>Corrections</td>
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<tr>
<td>CJD</td>
<td>Criminal Justice Development</td>
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<tr>
<td>CJL</td>
<td>Law Enforcement</td>
</tr>
<tr>
<td>CJK</td>
<td>Criminal Justice Basic Training</td>
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<tr>
<td>CJS</td>
<td>Criminal Justice Studies</td>
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<tr>
<td>CJS</td>
<td>Criminal Justice Studies (A.A.S or Vocational)</td>
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<td>CJO</td>
<td>Law &amp; Process</td>
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<tr>
<td>CJE</td>
<td>Criminal Justice Technologies</td>
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<tr>
<td>CLA</td>
<td>Classical and Ancient Studies</td>
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<tr>
<td>CLP</td>
<td>Clinical Pathology</td>
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<tr>
<td>CMT</td>
<td>Classical Culture in Translation</td>
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<tr>
<td>CMC</td>
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<td>CMM</td>
<td>Creek/Muskogee/Mikasuki</td>
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<td>Home Economics: Clothing and Textiles</td>
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<td>Education: Emotional/Behavioral Disorder</td>
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<td>ECM</td>
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<td>Course Numbering System</td>
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<tr>
<td>ECP Economic Problems &amp; Policy</td>
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<td>EDA Educational Administration</td>
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<td>EDE Education: Elementary</td>
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<td>EGG Education: General</td>
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<tr>
<td>EDH Education: Higher</td>
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<td>EDM Education: Middle School</td>
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<tr>
<td>EDU Education Supervision</td>
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<td>EEC Education: Early Childhood</td>
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<tr>
<td>EER Electrical/Electronic Repair</td>
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<td>EET Electronic Engineering Technology</td>
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<td>EEV Electrical/Electronic: Vocational</td>
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<td>EGC Counseling Education</td>
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<td>EGI Education: Gifted</td>
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<tr>
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<td>EGN Engineering: General</td>
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<tr>
<td>EGS Engineering: Support</td>
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<tr>
<td>EHD Education: Hand Of Hearing &amp; Deaf</td>
<td>Education: Hand Of Hearing &amp; Deaf</td>
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<td>EIA Education: Industrial Arts</td>
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<td>EIN Industrial Engineering</td>
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<td>EIV Education: Industrial/Vocational</td>
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<tr>
<td>ELD Education: Specific Learning Disabilities</td>
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<td>ELR Preprofessional: All Courses Reassigned</td>
<td>Preprofessional: All Courses Reassigned</td>
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<tr>
<td>EMA Materials Engineering</td>
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<td>EMC Engineering: Mechanical &amp; Chemical</td>
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<td>ENC English Composition</td>
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<td>ENG English - General</td>
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<td>ENC Foreign Literature</td>
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<tr>
<td>ENS English For Non-Native Speakers</td>
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<tr>
<td>ENT Entrepreneurship</td>
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<tr>
<td>ENU Engineering: Nuclear</td>
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<tr>
<td>ENW Engineering: Environmental</td>
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<tr>
<td>ENY Entomology</td>
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<tr>
<td>EOC Ocean Engineering</td>
<td>Ocean Engineering</td>
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<tr>
<td>EPD Education: Physical &amp; Multiple Disabilities</td>
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</tr>
<tr>
<td>EPH Education: Physical &amp; Multiple Handicapped</td>
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</tr>
<tr>
<td>EPI Education: Preparation Institutes</td>
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<td>ESB Earth Science</td>
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<td>ESE Education: Secondary</td>
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<tr>
<td>ESL Industrial/Systems Engineering</td>
<td>Industrial/Systems Engineering</td>
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<tr>
<td>ESI College-Prep English For Non-Native Speakers</td>
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<tr>
<td>EST Electronic Specialties</td>
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<tr>
<td>ETC Engineering: Technology: Civil</td>
<td>Engineering: Technology: Civil</td>
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<tr>
<td>EDT Engineering Technology: Drafting</td>
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<tr>
<td>ETE Education: Technology Education</td>
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<tr>
<td>ETP Engineering Technology: General</td>
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<tr>
<td>ETM Engineering Technology: Industrial</td>
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<tr>
<td>ETN Engineering Technology: Mechanical</td>
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<td>EUH European History</td>
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<tr>
<td>EUS European Studies</td>
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<td>EVI Education: Visually Impaired-Blind</td>
<td>Education: Visually Impaired-Blind</td>
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<tr>
<td>EVR Environmental Studies</td>
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<td>EVS Environmental Science</td>
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<td>EVT Education: Vocational/Technical</td>
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<td>FAD Home Economics: Family Development</td>
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<td>FAM Fashion Modeling</td>
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<td>FAS Fishery &amp; Aquacultural Science</td>
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<td>FES Fire and Emergency Services</td>
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<td>FFP Fire Fighting &amp; Protection</td>
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<td>FNR Forestry &amp; Natural Resources</td>
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<td>FOW Foreign Languages, Comparative Literature</td>
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<td>FRC Fruit Crops</td>
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<td>FRE French Language</td>
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<tr>
<td>FRT French Culture in Translation</td>
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<td>GCO Golf Course Operations</td>
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<td>GDA General Development Areas</td>
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<td>GEC General Business</td>
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<td>GMT Modern Greek Culture in Translation</td>
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<tr>
<td>GMW Modern Greek Literature (Writings)</td>
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<td>GRU Graphic Arts</td>
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<tr>
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<td>GRG Graphic Arts - Graduate-Level</td>
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<tr>
<td>GRK Modern Greek Language</td>
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<td>GRW Classical Greek Literature (Writings)</td>
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<td>HAI Haitian Creole Language</td>
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<td>HAT Haitian Culture in Translation</td>
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<td>HBT Modern Hebrew Culture in Translation</td>
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<tr>
<td>HCP HealthCare Providers (Assistants)</td>
<td>HealthCare Providers (Assistants)</td>
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<td>HCB Haitian Creole Literature (Writings)</td>
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<td>HEV Home Economics - Vocational</td>
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<td>HIN Hindi Language</td>
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<td>HIS General History and Historiography</td>
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<tr>
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<td>HLP Health/Leisure/Physical Education</td>
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<td>HTE Home Economics Administration</td>
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<td>HUM Health Sciences</td>
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<td>HVP Industrial and Applied Psychology</td>
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<td>HRRD Human Resources Development</td>
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<td>HSA Health Services Administration</td>
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<td>IDW Indonesian Literature (Writings)</td>
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<td>IEA Industrial Education Applied</td>
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<td>ISD Interdisciplinary Sciences</td>
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<td>ISM Information Systems Management</td>
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<td>ITA Italian Language</td>
<td>Italian Language</td>
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<tr>
<td>ITT Italian Culture in Translation or Translation Skills</td>
<td>Italian Culture in Translation or Translation Skills</td>
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<tr>
<td>ITW Italian Literature (Writings)</td>
<td>Italian Literature (Writings)</td>
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<td>JOU Journalism</td>
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<td>JPT Japanese Culture in Translation or Translation Skills</td>
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<tr>
<td>JPY Japanese Literature (Writings)</td>
<td>Japanese Literature (Writings)</td>
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<tr>
<td>JRH Jewish/Judaic Studies</td>
<td>Jewish/Judaic Studies</td>
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<td>KOR Korean Language</td>
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<tr>
<td>KOT Korean Culture in Translation or Translation Skills</td>
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<td>KOW Korean Literature (Writings)</td>
<td>Korean Literature (Writings)</td>
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<td>LAA Landscape Architecture</td>
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<td>LAE Language Arts &amp; English Education</td>
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<td>LAS Latin American Studies</td>
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<tr>
<td>LAT Latin Language Study</td>
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<td>LAW Law</td>
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<td>LBS Labor Studies</td>
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<td>LDD Landscape Design</td>
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<td>LEI Leadership Studies</td>
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<td>LEL Leadership</td>
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<td>LGP Lingala Language</td>
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<td>LGS Linguistics</td>
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<td>LIT Literature</td>
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<tr>
<td>LNW Latin Literature (Writings)</td>
<td>Latin Literature (Writings)</td>
</tr>
<tr>
<td>MAA Mathematics - Analysis</td>
<td>Mathematics - Analysis</td>
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<td>MAC Mathematics - Calculus and Precalculus</td>
<td>Mathematics - Calculus and Precalculus</td>
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<td>MAE Mathematics Education</td>
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<td>MAG Mechanized Agriculture</td>
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<td>MAN Management</td>
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<td>MAP Mathematics Applied</td>
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<td>MAR Marketing</td>
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<td>MAS Mathematics - Algebraic Structures</td>
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<td>MCB Microbiology</td>
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<td>Medieval and Early Modern Studies</td>
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<td>MGF Mathematics - General and Finite</td>
<td>Mathematics - General and Finite</td>
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<tr>
<td>MHE Mathematics, History and Foundations</td>
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<tr>
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<td>MAV</td>
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</table>
Common Course Numbering System

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.

<table>
<thead>
<tr>
<th>Special Undergraduates</th>
<th>Grad1</th>
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<tbody>
<tr>
<td>Directed Independent Studies</td>
<td>1906, 2905, 3905, 4906, 5907</td>
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<tr>
<td>Directed Independent Research</td>
<td>4912, 5917</td>
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<td>Special Undergraduate Research</td>
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<td>&quot;Internship, Practicums, Clinical Practice&quot;</td>
<td>3940, 4941, 5944</td>
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<td>1949, 2949, 3949, 4949, 5949</td>
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<td>4903H</td>
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<td>Honors Directed Reading2</td>
<td>4904H</td>
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<tr>
<td>Study Abroad</td>
<td>4955, 5957</td>
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</table>

1These courses may be assigned variable credit. Some may be repeated upon approval.
2The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.
3Enrollment is limited to those students who are fully admitted to the Graduate 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-ART 3(2,4)

ART 2500C is offered by the College of Arts and Humanities (CAH), in the Department of Art (ART), 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, HM = Hospitality Management, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

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<th>Department</th>
<th>Abbreviation</th>
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<tr>
<td>UGST</td>
<td>Undergrad/Interdisc Studies</td>
<td>INTERDISC</td>
</tr>
</tbody>
</table>
### 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](https://my.ucf.edu) 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](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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Prefix</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisite(s)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021 BA-ACCT</td>
<td>3(3,0)</td>
<td>Principles of Financial Accounting</td>
<td>Fall, Spring</td>
<td>Sophomore standing and MAC 1105C or equivalent.</td>
<td>Theory and practice of financial accounting for governmental and nonprofit organizations. Involves the study of financial statements, internal controls, and interpretation of financial information.</td>
</tr>
<tr>
<td>ACG 4651 BA-ACCT</td>
<td>3(3,0)</td>
<td>Auditing</td>
<td>Fall, Spring</td>
<td>Accounting major or minor, ACG 3141 and ACG 4401C</td>
<td>Auditing theory and practice followed in the audit function.</td>
</tr>
<tr>
<td>ACG 4671 BA-ACCT</td>
<td>3(3,0)</td>
<td>Internal Auditing</td>
<td>Fall, Spring</td>
<td>Accounting major or minor, ACG 3131 or ACG 3361</td>
<td>Theory and practice of internal auditing and the use of internal auditing in organizational control.</td>
</tr>
<tr>
<td>ACG 4703 BA-ACCT</td>
<td>3(3,0)</td>
<td>Contemporary Issues in Accounting</td>
<td>Fall, Spring</td>
<td>Accounting major or minor, ACG 3141, ACG 3361, ACG 4401C, TAC 4001.</td>
<td>Study of issues in contemporary accounting, including ethical, legal, and technological considerations.</td>
</tr>
<tr>
<td>ADV 4008 COS-COMM</td>
<td>3(3,0)</td>
<td>Principles of Advertising</td>
<td>Fall, Spring</td>
<td>ACG 3141, SPC 1608, or SPC 1603, or COMM 1000.</td>
<td>Overview of the field of advertising, including advertising purposes, techniques, the role of agencies, advertisers and the media.</td>
</tr>
<tr>
<td>ADV 4101 COS-COMM</td>
<td>3(3,0)</td>
<td>Advertising Copywriting</td>
<td>Fall, Spring</td>
<td>ACG 3141, and ACG 3361 or ACG 4401C, TAC 4001.</td>
<td>Study of advertising copywriting, including copy generation and testing.</td>
</tr>
<tr>
<td>ADV 4103 COS-COMM</td>
<td>3(3,0)</td>
<td>Radio-Television Advertising</td>
<td>Fall, Spring</td>
<td>ACG 3141, ACG 3361, and ACG 4401C.</td>
<td>Study of radio and television advertising, including rate structures, creative strategies, and audience analysis.</td>
</tr>
<tr>
<td>AFA 3104 CAH-AAS</td>
<td>3(3,0)</td>
<td>The Black Intellectual Experience</td>
<td>Fall, Spring</td>
<td>AFA 3102, AFA 3103, and AFA 3120.</td>
<td>An interdisciplinary examination of the intellectual contributions of African Americans.</td>
</tr>
<tr>
<td>AFA 3428 CAH-AAS</td>
<td>3(3,0)</td>
<td>Malcolm X, Black Nationalism, and Internationalism</td>
<td>Fall, Spring</td>
<td>AFA 2421, AFA 3102, and AFA 3103.</td>
<td>Analysis of the political and social thought of Malcolm X and its impact on African political struggles.</td>
</tr>
<tr>
<td>AFA 3955 CAH-AAS</td>
<td>6(6,0)</td>
<td>Study Abroad in Eastern Caribbean</td>
<td>Fall, Spring</td>
<td>LAS 4023 or Junior standing.</td>
<td>Study abroad program focuses on the arts and humanities of African diaspora cultures in the Eastern Caribbean.</td>
</tr>
<tr>
<td>AFA 4105 CAH-AAS</td>
<td>3(3,0)</td>
<td>Documenting African American Heritage and Life</td>
<td>Fall, Spring</td>
<td>AFA 3104 or Junior standing.</td>
<td>Study of African American cultural heritage and life.</td>
</tr>
<tr>
<td>AFA 5359 CAH-AAS</td>
<td>3(3,0)</td>
<td>Topics in African American Studies</td>
<td>Fall, Spring</td>
<td>ACG 3141, ACG 3361, and ACG 4401C.</td>
<td>Interdisciplinary study abroad program.</td>
</tr>
<tr>
<td>AFA 5930 CAH-AAS</td>
<td>3(3,0)</td>
<td>African History to 1870</td>
<td>Fall, Spring</td>
<td>ACG 3141, ACG 3361, and ACG 4401C.</td>
<td>Overview of African history from the earliest times to 1870.</td>
</tr>
<tr>
<td>AFA 5931 CAH-HIST</td>
<td>3(3,0)</td>
<td>African History since 1870</td>
<td>Fall, Spring</td>
<td>ACG 3141, ACG 3361, and ACG 4401C.</td>
<td>Study of African history from 1870 to the present.</td>
</tr>
<tr>
<td>AFA 5359 CAH-AAS</td>
<td>3(3,0)</td>
<td>Colloquium in African History</td>
<td>Fall, Spring</td>
<td>ACG 3141, ACG 3361, and ACG 4401C.</td>
<td>Materials and resources.</td>
</tr>
<tr>
<td>AFA 5529 CAH-HIST</td>
<td>3(3,0)</td>
<td>An Introduction to African History</td>
<td>Fall, Spring</td>
<td>ACG 3141, ACG 3361, and ACG 4401C.</td>
<td>Study of African history from the earliest times to 1870.</td>
</tr>
<tr>
<td>AFA 5806 CAH-HIST</td>
<td>3(3,0)</td>
<td>The Historiography of Slavery in Africa</td>
<td>Fall, Spring</td>
<td>ACG 3141, ACG 3361, and ACG 4401C.</td>
<td>Study of African history from the earliest times to 1870.</td>
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</tbody>
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**Note:** For more detailed information, please consult the UCF Undergraduate Catalog.
AMH 4650 CAH-HIST 3(3,0)

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 5286 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 history 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.

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. This course will examine writers who have lived in and written about Florida, Florida as Hemingway, Rawlings, Hurston, and Stevens. 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, Florida as Hemingway, Rawlings, Hurston, and Stevens. Occasional.

AML 5303 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 3286 CAH-ENG 3(3,0)

AML 3613 CAH-ENG 3(3,0)
Narratives of Slavery: 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 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 (1900-1960) period. 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 indigenious 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 statistics, assessment of reliability, and approaches for small samples. Odd 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. Spring.

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 the study of health and disease. Odd Fall.

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. Occasional.

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.

ANG 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 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 examined among various cultures and ethnic groups. Fall, Spring.

ANT 2511H 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. Occasional.

ANT 3106 COS-ANTHRO 3(3,0) Archaeology and Popular Culture: PR: AN 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: AN 2000 or AN 2140 or C.I. A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Even Fall.

ANT 3142 COS-ANTHRO 3(3,0) Old World Prehistory: PR: or CR: AN 2000 or AN 2140 or C.I. A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. Occasional.

ANT 3145 COS-ANTHRO 3(3,0) Archaeology of Complex Societies: PR: AN 2140 or C.I. An introduction to complex societies. Fall.

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 deaths of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Occasional.

ANT 3152 COS-ANTHRO 3(3,0) Indians of the Southwest: PR: AN 2000. Native American culture types of the southwest: Navajo, Pueblo (Zuni, Hopi, Tewa), Apache (Lipan, Mescalero), and Desert Tradition (Pima, Papago, Havasupai). Occasional.

ANT 3158 COS-ANTHRO 3(3,0) Florida Archaeology: PR: AN 2000 or AN 2140 or C.I. Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, and artifacts. Occasional.

ANT 3160 COS-ANTHRO 3(3,0) Americas Before Columbus: PR: AN 2000, or C.I. An introduction to the prehistory of Mexico, Guatemala and upper Central America from earliest times through the Spanish conquest. Occasional.

ANT 3161 COS-ANTHRO 3(3,0) Archaeology of Mexico: PR: AN 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known architectural civilizations. Occasional.

ANT 3163 COS-ANTHRO 3(3,0) Mesoamerican Archaeology: PR: or CR: AN 2000 or AN 2140 or C.I. The ancient Mesoamerican civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnohistorical, historical, and contemporary anthropological sources. Occasional.

ANT 3165 COS-ANTHRO 3(3,0) Archaeology of South America: PR: AN 2000 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: or CR: AN 2000 or AN 2140 or C.I. 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: AN 2000 or C.I. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an anthropological perspective. Occasional.


ANT 3212 COS-ANTHRO 3(3,0) Peoples of the World Beyond 2000: PR: AN 2000 or AN 2140 or C.I. A comparative study of religion, family, politics, philosophy, and other elements of socio-cultural organization of pre-literacy societies. Fall, Spring.

ANT 3241 COS-ANTHRO 3(3,0) Magic, Ritual, and Belief: PR: CR: AN 2000 or AN 2140 or C.I. 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: AN 2000 or AN 2140 or C.I. The religious beliefs of native New World peoples. Occasional.


ANT 3273 COS-ANTHRO 3(3,0) Law and Culture: PR: or CR: AN 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: or CR: AN 2000 or AN 2151 or C.I. 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: AN 2000 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: AN 2000 or C.I. A survey of the aboriginal cultures of North America, with emphasis on the pre-contact cultural condition. Even Spring.


ANT 3314 COS-ANTHRO 3(3,0) Indians of the Northwest Woodlands: PR: AN 2000 or AN 2140 or other lower level social science course. The prehistory, history and culture of Native Americans of the North American Northwest. Occasional.

ANT 3318 COS-ANTHRO 3(3,0) Anthropology of Diaspora: PR: AN 2000 or AN 2140 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northwest Coast of North America. Occasional.

ANT 3319 COS-ANTHRO 3(3,0) Anthropology of Diaspora: PR: AN 2000 or AN 2140 or C.I. Comparative study of socio-cultural 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.

Peoples of Southeast Asia: PR: or CR: ANT 2000 or C.I. An examination of Japanese culture and its contemporary behavioral and organizational patterns by drawing upon historical, cultural, linguistic, and social patterns. Occasional.

Anthropology of Japan: PR: or CR: ANT 2000 or C.I. Examination of Japanese culture and contemporary behavioral and organizational patterns by drawing upon archaeology, cultural history, linguistics, cultural anthropology, and social organization. Occasional.

American Indian Literature and Culture in Florida: PR: ENG 1102 Literature about the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through oral tales and legends, treaties, archival sources. Occasional.


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. Spring.

Primitology: PR: ANT 2511 or C.I. Study of species from the Old Primate, including their morphology, ecology, behavior, and geographic distribution. Occasional.

Language and Culture: PR: Sophomore standing. The study of language in a non-western setting; language and behavior; language and perception. Spring.

Applied Anthropology: PR: ANT 2000 or ANT 2410 or C.I. Application of anthropological methods to current human problems such as environment, migration, globalization, and health. Occasional.

Cooperative Education in Anthropology: PR: Departmental permission required before registering. Cooperative education experience in anthropology. Graded SU. May be repeated. Occasional.

Anthropological Perspectives on Food Production: PR: ANT 2000 or ANT 2410 or C.I. Anthropological research on corporate fast food in diverse cultural settings. Occasional.


Prehistory of North America: PR: Any lower level course in the social sciences. The rise of North American Native culture from the earliest evidence of human occupation in the New World e.g., the Folsom, Clovis, Olmec, etc., to the time of contact with European cultures. Occasional.

North American Archaeology: PR: Any lower level social science course. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. Occasional.

ANT 4100C Seminar in Laboratory Analysis: PR: or CR: ANT 2000 or ANT 2410 or C.I. The processing of archaeological finds from excavation through publication. May be repeated for credit. Spring.

ARCHAEOLOGICAL SCIENCES: PR: ANT 2511, or ANT 2140, or C.I. Methods and instrumentation routinely used in archaeology and forensic archaeology. Spring.

MORTUARY ARCHAEOLOGY: PR: ANT 2500, or ANT 2140, or C.I. ANT 2511 or C.I. Archaeological interpretations of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Occasional.


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.

Gender Issues Latin America: PR: Completion of a lower-level social science course or its equivalent. Issues of gender in Latin America through an anthropological approach, both theoretical and practical, with special attention to women's lives. Occasional.

People and Cultures of Latin America: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. Odd Fall, Spring.


Culture, Disease, and Healing: PR: Any 2000 level Anthropology course. The role of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. Odd Spring.

Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. Occasional.

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 physical well-being. Perspectives are cross-cultural, ecological and evolutionary. Occasional.

Human Biological Diversity: PR: ANT 2511 or BSC 2010C, or C.I. Human biological variation and adaptation. Occasional.

Forensic Anthropology: PR: ANT 2511 or C.I. The study of human skeletal remains in relation to a legal context. Occasional.

ANT 4408 ANTHRO 3(3,0) Human Osteology: PR: ANT 2511. The scientific study of the human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. Fall.

ANT 4428C Advanced Forensic Anthropology: PR: ANT 4521C. Advanced laboratory methods in forensic anthropology, including skeletal analysis, and the application of archaeological techniques to the recovery of human remains. Even Spring.

ANT 4506 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. Odd Fall.

ANT 4586 ANTHRO 3(0) Human Origins: PR: ANT 2511. The fossil evidence for human evolution from Miocene hominoids through the australopithecines and the earliest members of the genus Homo. Spring.

ANT 4702 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 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 ANTHRO 3(9.0) Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.


APK 2131C ED-CFCS 3(1,2) TriFit Training: Principles and practices of the three disciplines comprising the sport of triathlon. Students provide all personal equipment, including bicycle, helmet, swim goggles, Fall. Spring.

APK 3132 ED-CFCS 3(0,0) Triathlon Training and Performance: PR: PSM 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 PSY-PSYCH 3(3,0) Sports Psychology: A review of principles of psychology related to the enhancement of satisfaction and performance in sports. Occasional.

ARA 1120C CAH-LANG 4(3,1) Elementary Arabic Language and Civilization II: PR: ARA 1120C. Introduces the student to Arabic language skills. Open only to students with no experience in the language. Fall.

ARA 1120H CAH-LANG 4(4,1) Honors Elementary Arabic Language and Civilization II: PR: Permission of Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Honors level content. Occasional.


ARA 2200 CAH-LANG 3(3,1) Intermediate Arabic Language and Civilization: PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.
ARC 2201 CAH-LANG  3(3,0)
Intermediate Arabic II: PR: ARA 2200 or equivalent

ARC 3181 CAH-CAH  3(3,0)
Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Continued investigation of computer-aided design programs currently utilized by professional practices. Odd Spring.

ARC 3320L CAH-CAH  6(0,9)
Architectural Design 5: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Investigates architectural design and its relation to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

ARC 3321L CAH-CAH  6(0,9)

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 4220 CAH-CAH  3(3,0)
Architectural Theory 2: CR: ARC 3422L. 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 design technology. Complete: Building as a final product. Emphasis 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 4320 CAH-CAH  3(3,0)

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 architecture's role in civil society and theoretical positions of architects and architectural schools. Even Fall.

ARC 4200 ED-TL&L  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 2567 ED-TL&L  3(3,0)
Studio Experiences in Art Education: PR: Completion of all Art Education Program Prerequisites or C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

ARE 3525 ED-TL&L  3(2,1)
Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupa- tional orientation and other recreational areas. Occasional.

ARE 4352 ED-TL&L  3(2,1)
Teaching Art in the High School: PR: ED 4519. An examination of art education programs and concepts toward understanding curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. M&S fee $5.00

ARE 4453 ED-TL&L  3(3,0)
Teaching Art Appreciation & Criticism in the Classroom: PR: Permission of Honors. An examination of art education programs and concepts toward understanding curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. M&S fee $5.00

ARE 4536 ED-TL&L  3(3,1)
Teaching Art: General Education: PR: Permission of Honors. An exploration of traditional, academic, and contemporary urban African American visual arts. M&S fee $5.00

ARE 3181 CAH-CAH  3(3,0)
Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Continued investigation of computer-aided design programs currently utilized by professional practices. Odd Spring.

ARE 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.

ARE 2450 ED-TL&L  3(3,0)
Art for Exceptionalities: PR: EDG 4323 and at least junior standing, with introductory knowledge of the methods of integrating art processes into the education of students with physical, emotional, and mental disabilities. Occasional.

ARE 3462 ED-TL&L  3(3,0)
Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing and administrating art programs for a variety of populations. Occasional.

ARE 4313 ED-TL&L  3(1,0)
Art in the Elementary School: PR: EDF 2005; CR: MUE 3210, HLP 4722, RED 4519, MAE 3426, 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(2,1)
Teaching Art in the Elementary School: PR: EDF 4214 and EDG 4323. 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 3454 ED-TL&L  3(3,0)
Art in the Elementary School: PR: EDF 4214 and EDG 4323. 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 5359 ED-TL&L  4(4,0)
Teaching Art: General Education: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art studio 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: Permission of Honors. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

ARE 5648 ED-TL&L  3(3,0)
Contemporary Visual Arts Education: PR: ARE 4442. Designing and analyzing art experiences and activities for students to facilitate art programming in a variety of community settings. Occasional.
Successful portfolio review. Examines the concepts of three-ART 2203C, ART 2300C, ART 2301C, and suc-

Intermediate Sculpture: ART 3709C CAH-SVAD 3(2,4)

Insights concerning artistic expression with an emphasis

by students in the form of small sculptures and/or other

expression. These "formative activities" must be manifested

ativity and the generation of new insights concerning artistic

Application of a variety of ceramic handbuilding procedures,

Intermediate Ceramics:

ART 3616C CAH-SVAD 3(3,0)

M&S fee $35.00

Digital Effects & Compositing:

ART 3618 CAH-SVAD 3(3,0)

Fall, Spring.

Post-Production Design: PR: Sophomore Portfolio

and "C" or better in FIL 3720C. Special effects and composit-
ing for computer animation and film, focusing on the use

of After Effects, Premier and Photoshop software. Occasional.

Digital Effects & Compositing: PR: Sophomore Portfolio and "C" or better in FIL 3720C. Special effects and composit-
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After Effects, Premier and Photoshop software. Occasional.
ART 5910 CAH-SVAD 3(3,0) Studio Concentration I: PR: Admission to MFA. Course is a concentrated introduction to 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.

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 5222 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 5223 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 4237 CAH-HEALTH 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 4402 CAH-HIST 3(3,0) History of Iraq: PR: WOH 2012 and WOH 2022. Modern Iraq history through a set of interrelated mono- graphs that focus on the political and legal compo- nents of the Iraqi state. Occasional.


ASH 4402 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 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 5227 CAH-HIST 3(3,0) The Arab-Israel 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. 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.

ASL 2140 HPA-COM SC&DIS 4(4,0) Introduction to American Sign Language: Development of ASL and its relationship to the English 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 Deaf Culture: 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 4301 HPA-COM SC&DIS 3(3,0) Structure of American Sign Language: PR: ASL 2140 and ASL 2150 or C.I. Study of phonologic, syntactic, semantic, and discourse structure of ASL, including an emphasis on the biological basis of language and communication. Occasional.

ASL 4435 HPA-COM SC&DIS 3(3,0) Fingerspelling: PR: ASL 2140 and ASL 2150 or C.I. The study and practice of fingerspelling techniques to improve receptive and expressive fingerspelling proficiency beyond basic skill levels. Occasional.

ASL 4700 HPA-COM SC&DIS 3(3,0) Literature of Signed Languages: PR: ASL 2510. Overview of literature produced by Deaf communities across the world, with emphasis on the American Deaf Community. Genres include poetry, narrative, historical and cultural prose. 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 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 2720L COS-PHYS 1(0,2) Astronomy Techniques: PR: AST 2002. Introduction to basic astronomical equipment, observation/recording techniques, safety issues, and security practices needed during Public Viewing Nights at the Robinson Observatory. Fall, Spring.

AST 3110 COS-PHYS 3(3,0) Solar System Astronomy: PR: AST 2002. PHY 2048C. 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: 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: PHY 2048C. Fundamentals and techniques used in planning, reducing, and analyzing modern astronomical observations. Numerical treatment of photom- etry, spectroscopy, and CCD images. Even Spring.

AST 4142 COS-PHYS 3(3,0) Asteroids, Comets, and Meteors: PR: AST 2037. Odd Spring, or EUH 2000 and EUH 2001, or C.I. Physics of planetary evolution, planetary interiors, and planetary surface processes. Even Fall.


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 phys- ics, measurement extraction, error analysis, modeling, control and computer programming, statistics, interpretation, and written and oral presentation of results. Fall.

AST 5154 COS-PHYS 3(3,0) Advanced Planetary Geophysics: PR: Admission to Physics MS or PhD or C.I. The physics of planetary evo- lution, planetary interiors, and planetary surface processes. Even Fall.

AST 5165 COS-PHYS 3(3,0) Planetary Atmospheres: PR: PHY 3200 and PHY 3101, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that gov- ern 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 astro- physics: 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 MS or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynam- ics, detection, and environments. Odd Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 5765C</td>
<td>COS-PHYS</td>
<td>3(3,1) Advanced Astronomical Data Analysis: PR: MATH 3700 or 2000. Major in 3rd year 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.</td>
</tr>
<tr>
<td>ATR 3012C</td>
<td>HPA-HP</td>
<td>2(1,1) Clinical Skills for Athletic Trainers I: PR: ZOO 3733C or ZOO 3736C. Involves principles and techniques of manual muscle testing and goniometry. PR: ATR 3102. C.I. Advanced athletic training skills and 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&amp;S fee $30.81</td>
</tr>
<tr>
<td>ATR 3013C</td>
<td>HPA-HP</td>
<td>2(1,1) Clinical Skills for Athletic Training II: PR: ZOO 3733C or ZOO 3736C. PR: ATR 3012C or C.I. Clinical skills including functional knowledge of lower extremity/trunk muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and pharmacological interventions. Spring. M&amp;S fee $15.00</td>
</tr>
<tr>
<td>ATR 3204C</td>
<td>HPA-HP</td>
<td>2(1,1) Lower Extremity Function and Measurement: PR: ZOO 3733C or ZOO 3736C. Lower extremity functional anatomy, manual muscle testing and goniometry. Fall.</td>
</tr>
<tr>
<td>ATR 3212C</td>
<td>HPA-HP</td>
<td>2(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.</td>
</tr>
<tr>
<td>ATR 3213C</td>
<td>HPA-HP</td>
<td>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.</td>
</tr>
<tr>
<td>ATR 4313C</td>
<td>HPA-HP</td>
<td>3(2,2) 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.</td>
</tr>
<tr>
<td>ATR 4512C</td>
<td>HPA-HP</td>
<td>3(3,0) Organization and Administration of Athletic Training: PR: ATR 3022. Administrative knowledge in the athletic training profession. Fall.</td>
</tr>
<tr>
<td>ATR 4832L</td>
<td>HPA-HP</td>
<td>4(0,16) Practicum in Athletic Training III: PR: ATR 3022L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.</td>
</tr>
<tr>
<td>ATR 4842L</td>
<td>HPA-HP</td>
<td>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.</td>
</tr>
<tr>
<td>ATR 5144</td>
<td>ED-CFCS</td>
<td>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.</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>COS-CHEM</td>
<td>3(3,0) Biochemistry I: PR: CHM 2211. A consideration of proteins, carbohydrates, nucleic acids, enzymes and their effect on biochemical systems, and interaction of intermediary metabolism. Fall, Spring.</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>COS-CHEM</td>
<td>3(3,0) Biochemistry II: PR: BCH 4053. Continuation of BCH 4053. Spring.</td>
</tr>
<tr>
<td>BOT 3018C</td>
<td>COS-BIOL</td>
<td>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&amp;S fee $9.50</td>
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<td>BOT 3018C</td>
<td>COS-BIOL</td>
<td>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&amp;S fee $9.50</td>
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<tr>
<td>BOT 3152C</td>
<td>COS-BIOL</td>
<td>3(1,4) Local Flora: PR: BSC 2010C and BSC 2110C. Botany of the Florida Everglades and wetlands. Fall.</td>
</tr>
<tr>
<td>BOT 3802</td>
<td>COS-BIOL</td>
<td>3(3,0) Ethnobotany: PR: BSC 2011C or C.I. Historical and modern uses of plants economically important in various cultures. Spring.</td>
</tr>
<tr>
<td>BOT 3820C</td>
<td>COS-BIOL</td>
<td>3(2,1) Plants and the Urban Environment: PR: Junior standing or C.I. The selection, placement, propagation and care of ornamental plants in residential and industrial areas. For non-majors only. Occasional. M&amp;S fee $15.00</td>
</tr>
<tr>
<td>BOT 4223C</td>
<td>COS-BIOL</td>
<td>4(3,3) Plant Anatomy: PR: BSC 2010C and BSC 2110C. A study of development, structure and function of the major organs and tissue of vascular plants. Occasional. M&amp;S fee $15.00</td>
</tr>
<tr>
<td>BOT 4303C</td>
<td>COS-BIOL</td>
<td>5(3,6) Plant Kingdom: PR: BSC 2010C and BSC 2110C, 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&amp;S fee $40.00</td>
</tr>
<tr>
<td>BOT 4434C</td>
<td>COS-M&amp;M</td>
<td>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.</td>
</tr>
<tr>
<td>BOT 4503</td>
<td>COS-BIOL</td>
<td>3(3,0) Plant Physiology: PR: PCB 3023 or C.I. A Study of mechanisms used by plants to cope with the environment. Occasional.</td>
</tr>
<tr>
<td>BOT 4503L</td>
<td>COS-BIOL</td>
<td>1(0,3) Plant Physiology laboratory: CR: BOT 4503. The laboratory to accompany BOT 4503. Occasional. M&amp;S fee $15.00</td>
</tr>
<tr>
<td>BOT 4686C</td>
<td>COS-BIOL</td>
<td>4(3,3) Conservation and Management of Native Plants: PR: BOT 4713C, PCB 3044 and/or BOT 4503. or C.I. Identification, conservation, propagation and management of Florida rare, endangered, indicator or reclamation species. Occasional.</td>
</tr>
<tr>
<td>BOT 4859</td>
<td>COS-BIOL</td>
<td>3(3,0) Medicinal Botany: PR: BSC 2011C, 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.</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>COS-BIOL</td>
<td>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.</td>
</tr>
<tr>
<td>BSC 1005H</td>
<td>COS-BIOL</td>
<td>3(3,0) Biological Principles-Honors: PR: Permission of Honors. Biological factors that affect dependence on the environment; the role of human population preserving ecological integrity. Occasional.</td>
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<tr>
<td>BSC 1005L</td>
<td>COS-BIOL</td>
<td>1(0,2) Biological Principles laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&amp;S fee $15.00</td>
</tr>
</tbody>
</table>
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 1050L COS-BIOL  1(0,2)  Biology and Environment Laboratory: CR: BSC 1050. The laboratory to accompany BSC 1050. Occasional. M&S fee $15.00

BSC 2010C COS-BIOL  4(3,2)  Biology: 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 $24.00

BSC 2010H COS-BIOL  4(3,3)  General Biology Honors: PR: Permission of Honors. Priority given to students whose major requires this course. Basic principles and 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 It: PR: 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 $20.00

BSC 2011H COS-BIOL  4(2,6)  Honors Biodiversity: PR: Permission of Honors and BSC 2010H or C.I. BSC 2011C for honors students; enhanced by considerable field work, a CD-ROM “text,” relevant vide programs and readings written by authorities in the field. Occasional.


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 3403H COM-M&M  4(3,4)  Quantitative Biological Methods-Honors: 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 2506H. Biological processes in nanoscale interactions with elements of physics & engineering. 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 4101 COS-BIOL  3(3,0)  History of Biology: PR: BSC 2010C, BSC 2011C and 8 hours in biology or C.I. People and events involved in the development of major biological concepts and disciplines. Suitable for majors and non-majors. Occasional.

BSC 4312C COS-BIOL  4(3,3)  Marine Biology: PR: PCB 3044 and STA 2023. The biological implications and chemical aspects of the world’s oceans. Even Spring. M&S fee $45.00

BSC 4330 COS-BIOL  3(3,0)  Invasion Biology: PR: PCB 3044 and PCB 4683, 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: PCB 3044, CHM 2210, 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 4454 COS-BIOL  2(0,2)  Research in Animal Physiology: PR: PCB 4742. Development of research skills in animal physiology through hands-on experimental design, data collection, use of data analysis software, and communication of results. Occasional.

BSC 4821 COS-BIOL  4(4,0)  Biogeography: PR: PCB 3063 and PCB 4683 or ZOO 410C 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: 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 4892 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. May be repeated for credit. Graded S/U. 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 5322 COS-BIOL  3(0,3)  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 $10.00

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 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 genes to ecosystems. Occasional. M&S fee $15.00

BTE 4410 ED-E&HS  3(0,3)  Course Construction in Business Education: PR: ECT 3385 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 - Honors: 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 contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT  4(4,0)  Legal & Ethical Environment of Business - Honors: 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, CR. 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, Spring.

BUL 5332 BA-ACCT  3(0,3)  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(0,3)  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: COP 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. Perceptual and orthographic 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 COP 3502C. Current methods in Al: representation, inference, planning, natural language. Programming in Lisp or Prolog required. Fall.

CCJ 5675 HPA-CJ 3(3,0) Human Rights and Criminal Justice: PR: Senior standing or C.I. Provides in-depth analysis of the human rights movement and its potential impact upon criminal law as well as the juvenile and criminal justice systems. Occasional.

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 credited 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 criminal justice investigative processes operate. Focuses on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 4 times. Occasional.

CDA 3103 ECS-CS 3(3,0) Computer Logic and Organization: PR: COP 3223, CR: COT 3100C. Logic design, computer arithmetic, Instruction Set Architecture (MIPS, SPIM simulator), with emphasis on performance, data path, control unit, memory hierarchy, I/O interface. Fall, Spring.

CDA 4150H ECS-CS 4(3,1) Honors Computer Architecture: PR: Consent of Honors and CDA 3100C. Advanced computer architecture, focusing on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 4 times. Occasional.

CDA 5106 ECS-CS 3(3,0) Advanced Computer Architecture: PR: EEL 4706C. Modern processor design, instruction-level parallelism, thread-level parallelism, data-flow 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.

CDA 5215 ECS-CS 3(3,0) Architecture and Design of VLSI: PR: EEL 4706C. Overview of VLSI technology. Logical design of basic subsystems; integrated system design tools; design of a VLSI computer system. Occasional.

CDA 5532 ECS-CS 3(3,0) Network-Centric Computing: PR: Graduate standing; Concepts in network-centric computing and process coordination in information grids. Occasional.

CEG 2301 ECS-Cece 3(3,0) Engineering and Environmental Geology: PR: EGN 3310 and CHE 1440 equivalent. Principles of physical geology, with emphasis on engineering and environmental topics. Study of land forms, geologic maps, geologic structure, weathering, groundwater, mass wasting, and earthquakes. Occasional.

CEG 401C ECS-Cece 4(3,2) Geotechnical Engineering I: PR: EGN 3311, 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 401D ECS-Cece 3(3,0) Geotechnical Engineering II: PR: CEG 401C 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 401C 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 4812 ECS-Cece 1(1,0) Historical Developments in Civil Engineering: Seminar covering major historical developments in civil engineering. Occasional.

CEG 5015 ECS-Cece 3(3,0) Geotechnical Engineering II: PR: CEG 401C. Continuation of CEG 011C with emphasis on shear strength and design factors for earth pressures, bearing capacity, and slope stability. Occasional.

CEG 5405 ECS-Cece 3(3,0) Seepage in Soils: PR: CEG 401C. 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 401C. Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater control. Analysis of specific situations and design of landfill, design of control of contaminated sites. Occasional.

CEN 4020 ECS-CS 3(3,0) Component-based Engineering Software: PR: EEL 4851C, EEL 4882. In-depth treatment of component-based software development including analysis design and implementation of correct and reliable software in different component levels. Occasional.

CEN 5016 ECS-CS 3(3,0) Software Engineering: PR: CEG 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 5326 ECS-CS 3(3,0) Web Server Configuration and Maintenance: PR: COP 3502C, CNT 3001, 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-CCE 4(3,3) Structural Analysis I and Lab: PR: EGN 3311 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 4101 ECS-CCE 3(3,0) Matrix Methods for Structural Analysis: PR: CES 4100C with a grade of "C" (2.0) or better. Introduction to matrix structural analysis, 2D and 3D structural analysis, special topics and modeling techniques, software tools for structural engineers for computer based applications. Occasional.

CES 4605 ECS-CCE 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 ASJC-ASD building code; introduction to AISC-LRFD building code; tensile and compressive members, beams, beam-columns, connections. Fall, Spring.

CES 4606C ECS-CCE 3(2,2) Steel Design: PR: CES 4605. Project course on design of steel components, connections, and frame structures using ASJC specifications. Spring. M&S fee $20.00

CES 4702 ECS-CCE 3(3,0) Reinforced Concrete Structures: PR: CES 4100C with a grade of "C" (2.0) or better. Design of Reinforced concrete members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Course Title</th>
<th>Credits</th>
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CHM 2041 COS-CHEM 3(3,0) Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics sections. 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, thermochromy, atomic structure, periodicity, chemical bonding, states of matter, gases. The 'NC' grading policy applies to this course. Fall, Spring, M&S fee $45.00.

CHM 2040 COS-CHEM 3(3,0) Chemistry Fundamentals IB: PR: CHM 2040C or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2040C. Atomic structure, periodicity, chemical bonding, states of matter, gases. The 'NC' grading policy applies to this course. Spring.

CHM 2045C COS-CHEM 4(3,1) Honors Chemistry Fundamentals IA: 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, Spring, M&S fee $9.00.

CHM 2045C COS-CHEM 4(3,1) Honors Chemistry Fundamentals IB: 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, thermochromy, atomic structure, periodicity, chemical bonding, states of matter, gases. The 'NC' grading policy applies to this course. Fall, Spring.

CHM 2046 COS-CHEM 3(3,0) Chemistry Fundamentals II: PR: C or better in CHM 2045C or CHM 2041C. Priority will be given to students whose major requires this course. Continuation of CHM 2045C or the CHM 2040C & CHM 2041C sequence. Intermediate reactions, reagents and colloidal properties, equilibria, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. Fall, Spring.

CHM 2046C COS-CHEM 3(3,3) Honors Chemistry Fundamentals II: PR: 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: 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 2040C or equivalently, or CHM 2042 or equivalently. 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 2211 COS-CHEM 3(3,0) Organic Chemistry I: PR: 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 2211L COS-CHEM 2(0,6) Organic Chemistry Laboratory I: PR: CHM 2211. Priority will be given to students whose major requires this course. Continuation of CHM 2211 Fall, Spring.

CHM 2211L COS-CHEM 2(0,6) Organic Chemistry Laboratory II: PR: CHM 2211. 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 spectrophotometric 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. Occasional. M&S fee $25.00.

CHM 3212L 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 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 3410 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 2406C 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, spectrosopy, and separation techniques. Spring.

CHM 4130L COS-CHEM 2(0,6) Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. Experimental exercise of instrumen- tal 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 analy- sis and their application to synthetic chemistry. Occasional.

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 literate (literature searching), seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratory. 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.

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 2210 and, and graduate status or senior standing or C.I. Determination of chemical structure through interpreta- tion 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. 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 chem- istry of synthetic polymers. Synthetic methods, polymeriza- tion 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, and graduate status or senior standing or C.I. A laboratory and lecture course designed to introduce stu- dents to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Fall. 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 4045, or MAC 2313 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 1002. 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. Interested majors and non-majors may not 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 theory and practice of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&S fee $45.00

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 analyzing 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. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&S fee $45.00

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: CR: CHS 3501 and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3940 COS-CHEM 0(0,8) Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded SU. May be repeated for credit. Occasional.

CHS 4200 COS-CHEM 3(3.0) Concepts in Industrial Chemistry: PR: CHM 3410. An introduction to industrial practices, emphasizing the application of chemical principles in the development of a commercial process or product. 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 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 forensic 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 5591 COS-CHEM 3(0,40) Forensic Science Capstone: 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. Occasional.

CHS 6615 COS-CHEM 3(3.0) Environmental Chemistry: PR: CHM 2046, senior level in biological, medical, 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 5503 COS-CHEM 3(3.0) Topics in Forensic Science: PR: Graduate status or C.I. Will include the history of Forensic Science and current issues such as Digital Evidence. Occasional.

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 pursuant doctrines. Occasional.

CHS 5590 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. Spring.

CJE 5020 HPA-CJ 3(3,0) Foundations of Corrections: PR: C.I. Provides an overview of correctional processes in U.S., including philosophical foundations and contemporary practices. Occasional.

CJE 3001 HPA-CJ 3(3,0) Careers in Criminal Justice: PR: CCJ 3024 or C.I. 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: CCJ 3024 or C.I. 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: CCJ 3024. 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 CCJ 3510. A study of the forensic 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 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 the varied roles of foreign police in society and the role of the various police in the U.S. Legal and social systems. Occasional.

CJE 4352 HPA-CJ 3(3,0) Policy Development in Law Enforcement: PR: CJE 4014. The course is designed to deal with policy development in law enforcement. Major issues of organizational administration, personnel practices and police operations will be addressed. Occasional.

CJE 4410 HPA-CJ 3(3,0) Community Policing: PR: CCJ 3014, CJLE 4014. 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 and CJL 3510 or C.I. Elements, functions, and processes essential to the continuing management of various foreign and U.S. justice agencies, institutions and court systems. Occasional.

CJE 4610 HPA-CJ 3(3,0) Criminal Investigation: PR: CJE 4014. 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: CCJ 3014 or C.I. Study of extent, types, and explanations of serial murder, and responses of the general public, law enforcement, and prosecution. Occasional.


CJE 4663 HPA-CJ 3(3,0) Crime Analysis I: PR: CJE 4654. Provides the essential data analysis skills necessary to effectively analyze crime, understand crime data structures and the problems inherent in crime data. Occasional.


CJE 5120 HPA-CJ 3(3,0) Personnel Management in Criminal Justice Organizations: PR: Graduate standing or C.I. This course provides a general overview of the issues and problems in the management of criminal justice agencies with an emphasis on best practices. Spring.


CJJ 3014H HPA-CJ 3(3,0) Honors Juvenile Offenders: An Integrative Perspective: PR: Permission of Honors. To provide students with an integrative understanding of the social, psychological, and legal dynamics evident in processing juvenile offenders. Occasional.

CJJ 4564 HPA-CJ 3(3,0) Juvenile Justice System: PR: CCJ 3024 and CJL 3510 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: 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 PLA 3014 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. 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 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 territores through lecture, seminar, research and field visits. Occasional.


CLP 3143 COS-PHY 3(3,0) Abnormal Psychology: PR: PSY 2012 and PPE 3003C. Classification, causation, and treatment of deviant patterns of behavior. Fall, Spring.


CLP 3184 COS-PHY 3(3,0) Women’s Mental Health: PR: PSY 2012. Social and cultural factors of mental health issues and conditions that are unique for or primarily impact women in the U.S. today. Occasional.

CLP 3302 COS-PHY 3(3,0) Clinical Psychology: PR: PPE 3003C and 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-PHY 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-PHY 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 4314 COS-PHY 3(3,0) Health Psychology: PR: CLP 3143, PSB 3002, PPE 3003C. 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 4397 COS-PHY 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-PHY 3(3,0) Advanced Abnormal Psychology: PR: Graduate status or senior standing or credit. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLP 5197 COS-PHY 3(3,0) Mental Health and Aging: PR: Graduate status or senior standing or credit. Consideration of classification, causation, and treatment of deviant patterns of behavior related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.

CLT 3370 COS-EH 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 1010, REL 2100, WCH 2222, LIT 2220, or CNT 3370. Common themes found in the myths of various cultures; theories of their origins, meaning and value in human experience. Occasional.

CMC 4240 COS-COMM 3(1,2) Corporate/Institutional Video: PR: RTV 3200, RTV 3501, or RTV 3500. May be taken concurrently. Preparation of non-broadcast corporate/institutional video programs including planning, budgeting, production and evaluation. Fall, Spring.


CNT 4403 ECS-CS 3(3,0) Network Security and Privacy: PR: (CNT 3004 or EEL 4781 or CNT 4704) and (CIS 3560 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: COT 3004. An overview 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.


COM 1000 COS-COMM 3(3,0) Introduction to Communication: Course survey introducing students to theory, research, and practical principles associated with human communication in interpersonal, public, and professional contexts. Fall, Spring.

COM 2347C COS-COMM 1(1,1) Sports Speaking and Interviewing: PR: SPCC 160. Practicum to prepare students to speak in public forums and to participate in interviews with the mass media. Graded S/U. 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: SPCC 1608. The ways members of a family unit interact verbally and nonverbally to influence one another. Even Fall.

COM 3022 COS-COMM 3(3,0) Health Communication: PR: COM 3311 or C.I. Theories and research about the role communication plays in health. Occasional.

COM 3110 COS-COMM 3(3,0) Business and Professional Communication: PR: Majors only, SPCC 1608 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, SPCC 1608 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. 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 1080C. Communicating through computers. The foundations and applications of online and interactive multimedia, applications, including trends and limitations. Even Spring.

COM 3332 COS-COMM 3(3,0) Communication, Technology, and Change: PR: SPCC 1608. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. 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.

COM 4014 COS-COMM 3(3,0) Gender Issues in Communication: PR: SPCC 1605 and Junior Standing. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Occasional.

COM 4416 COS-COMM 3(3,0) Terrorism and Communication: PR: COM 3311 or C.I. How terrorism is a communication process. How mass media, symbols, linguistic devices, terrorism, and theoretical dimensions play a role in terrorism. How communities respond to terrorist attacks. Fall.

COM 4461 COS-COMM 3(3,0) Intercultural Communication: Study of variables affecting messages and participants in intercultural contexts. Fall, Even 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.

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 in 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 3323. 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: COP 3502C. Design and development of assemblers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 3502C ECS-CS 3(3,0) Computer Science II: PR: COP 3223 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 II: PR: Permission of Honors and COP 3223 and MAC 1105C. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Occasional.

COP 3503C ECS-CS 4(3,1) Computer Science III: PR: COP 3502C and COP 3330 and (COT 2104 or COP 3101C). 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 4020 ECS-CS 3(3,0) Programming Languages I: PR: COP 3502C and COP 3560. 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 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 COP 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4525 ECS-CS 3(3,0) Operating Systems: PR: COP 3402 and COP 3503C and COP 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 System 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 3502C. Storage and access Structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.
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.

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.

Structure of Verse: 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. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. Occasional.

Literary Magazines: 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. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. Occasional.

Writing Scripts: 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. Theory and practice of writing scripts for film and TV. Occasional.


The Writing Life: PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3210, CRW 3211, CRW 3310, or CRW 3610 or C.I. Critical/non-fiction craft works and fictional works by a series of authors. Occasional.

History of Prose Style: PR: English major or minor, junior standing, and grade of C (2.0) or better required 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.

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 3210, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.

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 3210, or C.I. Study of science fiction literature and writing of original science fiction stories. Workshop format with critique of writing assignments. Occasional.

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 3210, or C.I. Study of resources and writing of original nonfiction. Workshop format with critique of writing assignments. Occasional.

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.

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.

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 3210, CRW 3211, CRW 3310, or CRW 3610, or C.I. Overview of processes, the history and future of editing, issues and areas of literary and trade book publishing, and style through grammar and syntax. Occasional.

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. Fall, Spring.

Writing in the Community: 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. Creative writing to community groups through service-learning. Fall, Odd Spring.

Form and Theory in Creative Writing: PR: Admission to Creative Writing MFA and C.I. Students 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 4 times. Fall, Odd Spring.

Creative Writing Service Learning: PR: Admission to Creative Writing MFA or C.I. On-site experiential learning leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.


Hydrology: PR: STA 3032; CWR 3201. Hydrological cycle, probabilistic forecasting, rainfall excess, meteorology, and water allocation problems, and other hydraulic engineering designs and operations using economic analysis and operations research techniques. Occasional.

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.

Ballet II: PR: Theatre major, Dance minor, or department consent. Intermediate classical ballet technique, including principles, theory, and practice technique. Spring.

Ballet III: PR: Theatre major, Dance minor, or department consent. Fundamental exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Fall.

Calculus and Linear Algebra for Engineers: PR: MAP 2302, DAA 2200C. Intermediate to advanced fundamental concepts in calculus and linear algebra. Fall, Spring.

Intermediate Classical Ballet Technique: PR: Theatre major, Dance minor, or department consent. Fundamentals of classical ballet, includes practical dance work as well as dance history lectures. Fall.
DEP 2004C CAH-PSYCH 3(3,2)

DEP 2004H CAH-PSYCH 3(3,2)
Honors Developmental Psychology: PR: PSY 2012 and consent of Honors. Genetic, psychological, maturation, and social factors on behavior throughout the life cycle. With Honors consent. Fall.

DEP 3202 CAH-PSYCH 3(3,0)

DEP 3464 CAH-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)

DIG 2109C CAH-SVAD 3(2,2)

DIG 2281 CAH-SVAD 3(3,0)

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)

DIG 3035 CAH-SVAD 1(1,0)
Digital Media in the Workplace: CR: 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.

DIG 3134 CAH-SVAD 3(3,0)

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 3253 CAH-SVAD 3(2,2)
Digital Media Audio: PR: DIG 3460C. 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)

DIG 3433C CAH-SVAD 3(2,2)

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)

DIG 3521 CAH-SVAD 3(3,0)

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 and 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: CR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.

DIG 3951 CAH-SVAD 0(0,0)

DIG 4104C CAH-SVAD 3(2,2)
Web Design Workshop: PR: DIG 3134C, DIG 3716C, CR: 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 4124C CAH-SVAD 3(2,2)

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.

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DIG 4323C CAH-SVAD 3(1,4)
Modeling for Visual Language: PR: DIG 4204C, successful portfolio review, or C.I. Techniques and mechanics of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4324C CAH-SVAD 3(2,2)
Modeling for Realtime Systems I: PR: DIG 4760C, successful portfolio review, or C.I. Techniques and mechanics of visual development with emphasis on strong visual designs which communicate effectively. Fall.

DIG 4325C CAH-SVAD 3(1,4)
Look Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques and mechanics of visual development with emphasis on strong visual designs which communicate effectively. Fall.

DIG 4326C CAH-SVAD 3(1,4)
Geometrical Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques and mechanics of visual development with emphasis on strong visual designs which communicate effectively. Spring.

DIG 4354C CAH-SVAD 3(1,4)
Advanced 3D Animation: PR: DIG 4323C, successful portfolio review, or C.I. Techniques and mechanics of visual development with emphasis on strong visual designs which communicate effectively. Spring.

DIG 4359C CAH-SVAD 3(1,4)
Artificial Environments and Effects Workshop: PR: DIG 4355C and successful portfolio review, or C.I. Techniques and mechanics of visual development with emphasis on strong visual designs which communicate effectively. 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 visual development with emphasis on strong visual designs which communicate effectively. Spring.

DIG 4373C CAH-SVAD 3(1,4)

DIG 4394C CAH-SVAD 3(1,4)

DIG 4434C CAH-SVAD 3(1,4)

DIG 4451C CAH-SVAD 3(1,4)
Visual Storytelling and Visual Development Workshop: PR: DIG 3433C and successful portfolio review, or C.I. Techniques and 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.

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)

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 4523L CAH-SVAD 1(0,3)
Digital Media Service III: PR: DIG 4522L and a minimum grade of “B” (3.0) or better in DIG 2000. Participation as a leader in a consulting service for selected clients both within and external to the university, where students design Web pages, and provide tutorial, installation, and maintenance assistance with software tools. Graded S/U. Even Fall, Spring.

DIG 4524L CAH-SVAD 3(0,3)
Digital Media Project II: PR: DIG 3525 and a minimum grade of “B” (3.0) or better in DIG 2000. Multidisciplinary students work with faculty and industry mentors to design and implement a project involving virtual reality, video game production, computer animation, or interaction with the theme park industry. Odd Fall, Even 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 4528 CAH-SVAD 3(0,0)
Digital Media Project II: PR: DIG 4524L and a minimum grade of “B” (3.0) or better in DIG 2000. Continuation of IDS 4562. Odd Fall, Even Spring.

DIG 4530C CAH-SVAD 3(2,2)
Media for e-Commerce: PR: DIG 3143C and DIG 3716C. The applications of web-based 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 4395C, 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)

DIG 4645 ECS-CS 3(3,0)
Digital Media: PR: COP 3503C or C.I. Information structures, algorithms and interactive tools for creation, compression, storage, indexing and transmission of multimedia (visual images, sound, tactile displays, etc.) Project-oriented. Odd Fall, Even Spring.

DIG 4693C CAH-SVAD 3(2,2)
Production Software Workshop: PR: DIG 3143C 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 story telling, 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 either DIG 4713 or 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 2503C, a minimum grade of “B” (3.0) in either DIG 4713 or 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 3520C, 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 4770 ECS-CS 3(3,0)
Building Virtual Worlds: PR: COP 3503C or C.I. Design and construction of software for networked interactive learning environments, entertainment and communication systems. Tools for developing dramatic, artistic and technical creativity. Project oriented. Even Fall, Even 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, prototyping, development, marketing and assessment paralleling the business world. Even Fall, Even Spring. M&S fee $44.00.

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. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. 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.


ECM 5741C ECS-ECE 3(2,3) Microcomputer-based Monitoring and Control Systems: PR: EEE 3342C; EEL 4742C or C.I. Machine language programming; software development aids; systems design; interfacing considerations. Occasional.

ECO 2013 BA-ECON 3(3,0) Principles of Microeconomics: An introduction to microeconomics, 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 Microeconomics: 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. Same as ECO 2023 with honors-level content. Fall, Spring.


ECON 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.

ECON 3411H BA-ECON 3(3,0) Honors: Quantitative Business Tools II: PR: ECO 3401, permission of honors. Same as ECO 3411 with honors level content. Occasional.

ECON 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 resources and the impact of trade on the developing world. Trade policy both in theory and practice is also examined. Fall, Spring.


ECON 4515 BA-ECON 3(3,0) Research Methods in Economics: PR: ECO 3101, ECO 3203 and ECO 3411. Skills in data collection and creation, data analysis, and research presentation. Fall, Spring.

ECON 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.

ECON 4713 BA-ECON 3(3,0) International Microeconomics: PR: ECO 3101 or ECO 3203 or ECO 3223. International macroeconomics with review and analysis of current international microeconomic, financial issues, policies and events. Occasional.

ECON 4715 BA-ECON 3(3,0) Law and Economics: PR: ECO 2013 and ECO 2023. Impact of law on economic behavior; how economic behavior changes with legal rules and penalties; and the economic logic underlying the law. Occasional.

ECON 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. May be used in the degree program a maximum of 1 times. Occasional.

ECON 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 times. 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.
ECW 3312 ED-E&HS  3(3.0)  Course Construction in Health Occupations Education: PR: ECT 3012 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 3365 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 jointly activity programs in all vocations. Occasional.

ECW 5565 ED-E&HS  2-3(2-3.0)  Study of Guidance and Vocational Development: 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 3942 ED-TL&L  3(3.0)  Internship I: PR: EDF 4410, RED 3012, RED 4519, MAE 2801, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EDE 4223 ED-TL&L  3(3.0)  Integrates 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 C.U. Spring.

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 1942 ED-TL&L  3(3.0)  Introduction to Educational Internship: Introduction to educational internship with selected partner institutions. Occasional.

EDF 2130 ED-TL&L  3(3.0)  Child and Adolescent Development for Educators: Introduction and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.


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.


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 4214 ED-TL&L  3(3.0)  Classroom Learning Principles: PR: EDF 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. 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 4603 ED-TL&L  3(3.0)  Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EME 2404 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 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 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 4323 ED-TL&L  3(3.0)  Professional Teaching Practices: PR: EDF 2005 or C.I. Analysis of teaching strategies for K-12 settings, including higher order thinking, classroom management, alternative assessment and production instruction for diverse student populations. Fall, Spring.

EDG 4410 ED-TL&L  3(0.0)  Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2085, EME 2404, 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)  Developing Int'l Education Perspective: Field Experiences in European Schools: PR: Junior standing or C.I. A guided field experience for students participating in a study abroad program in Europe. Students gain insights into global and local education issues through in-school experiences. Occasional.

EDG 5745 ED-TL&L  3(0.0)  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  2-4(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-MMAE  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 Accredited Practicess. Fall, Spring.

EEE 3214 ED-TL&L 3(3,0) Early Childhood Education Learning Environments: 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.


EEE 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.

EEE 3940 ED-CFCS 3(0,3) Integration Internship I: PR: Senior Status; RED 4011 or RED 4010. Field based placement in which the students will have supervised practice integrating course content areas. Occasional.


EEE 4235C ED-CFCS 3(2,1) Early Childhood Education Seminar: Bridging Theory, Instruction, and Practice: PR: TSL 4420, EEC 2485, EEX 3350 and completion of semester II in the junior year. Corequisites: MAE 4300, RED 4311, SGE 4304. Seminar course which combines coursework, research, and practical experience. Fall, Spring.

EEE 4266 ED-CFCS 3(3,0) Early Intervention: PR: Admission to the program. An overview of development assessment, and intervention with at-risk and handicapped infants and toddlers. Occasional.

EEE 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 who emphasize active learning. Fall, Spring.

EEE 4303 ED-CFCS 3(3,0) Planning Creative Activities in Early Childhood Education: PR: Admission to Early Childhood Education Program and program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hand-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.

EEE 4402 ED-CFCS 3(3,0) Cultural and Family Systems: PR: Admission to the program. Explores the institution of family in its cultural context as a living dynamic system. Occasional.

EEE 4414 ED-CFCS 3(3,0) Parent/Child Relationships: PR: EEC 3700; EEC 4651; 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 stage, family structure, ethnic and cultural factors on parenting. Fall, Spring.

EEE 4524 ED-CFCS 3(3,0) Organization and Management in Early Childhood: PR: Admission to the program. Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

EEE 4528 ED-CFCS 3(3,0) Infant/Toddler Care and Education: PR: Admission to the program. Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.


EEE 4731 ED-CFCS 3(3,0) Health, Safety, and Nutrition for Young Children: PR: Admission to the program. Appropriate early childhood program. fall and Spring.

EEE 4936 ED-CFCS 2(2,0) Seminar in Early Childhood: PR: Admission to the program. Readings and discussion in early childhood program. Fall, Spring.

EEE 4943 ED-CFCS 12(0,12) Student Teaching: PR: Admission to the program. Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.

EEE 5205 ED-CFCS 3(0,3) Programs and Trends in Early Childhood Education: PR: Regular 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.

EEE 5206 ED-CFCS 3(0,3) Organization of Instruction in Early Childhood Education: PR: Regular 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.

EEE 5208 ED-CFCS 3(0,3) Creative Activities in Early Childhood: PR: Regular 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.

EEE 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 pediatrics. Fall, Spring.


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 3305 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. Introduction to microelectronic systems, device physics, device modeling, and fabrication process. Fall.

EEE 5353 ECS-ECE 3(3,0) Semicon ductor Device Modeling and Simulation: PR: EEE 3330C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5568C 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 5578 ECS-ECE 3(3,0) CMOS Analog and Digital Circuit Design: PR: EEE 4309C. Advanced principles and design techniques for CMOS circuits including published results. Fall.

EEE 5590 ECS-ECE 3(3,0) Full-Custom VLSI Design: PR: EEE 3342C, EEE 3330C. CMOS VLSI design methodologies; full-custom chip design, industrial CAD tools; simulation; verification. Spring.

EEE 6004 ECS-ECE 3(3,0) Electrical Networks: PR: MAC 2311, MAC 2312, PHY 2040C, PHY 2049C all with a "C" (2.0) or better grade. PR: MAP 2302. Analysis and design of linear circuits, transients, ac analysis, power calculations, three-phase circuits, Laplace transform. Fall, Spring.
EEL 5439C ECS-ECE 3(2,1) 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. Occasional. M&S fee $40.00


EEL 5517 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.

EEL 5542 ECS-ECE 3(3,0) Random Process and Queuing Theory: PR: EEL 3552C and STA 3932. Elements of probability theory, random variables, and stochastic processes. Fall, Spring.


EEL 5586 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 research issues in H-infinity and MIMO. Occasional.

EEL 5593 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 robotic 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, haptic, 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(3,1) Field-Programmable Gate Array (FPGA) Design: PR: EEE 3342C or C.I. FPGA architectures, design flow, technology mapping, placement, routing, reconfiguration of computing applications, and evolvable hardware. Even Fall.


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 resourceallocation, 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, EGN 3420, EEL 4780 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: EGN 3420 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 4672 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 4332C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall, 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 lecturers will provide our students a broad view of the state of the art in EE and CE fields. Graded S/U. Occasional.

EES 4111 ECS-CS 3(2.3) Biological Process Control: PR: ENV 3001 and a grade of “C” (2.0) or better; CR: ENV 4351. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bioremediation products, wastewater treatment, and others. Spring. M&S fee $59.00

EES 4202C ECS-CS 4(3,3) Chemical Process Control: PR: ENV 3001 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-CS 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.

EES 5605 ECS-CS 3(3.0) Outdoor Noise Control: PR: C.I. Community noise evaluation and control, legislative standards, instrumentation and measurement, abatement methods, and noise modeling. 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(3.0) 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 3250 ED-CFCS 3(3.0) 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. Fall, 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 3754 ED-CFCS 3(3.0) Parents as Educators: Develop parental awareness of their role in child development and school success. Attention given to social context of parenting and parents as advocates for children. Occasional.


### UCF Courses and Descriptions

#### EEX 4242 ED-CFCS
3(3,0) Teaching Exceptional Students in Secondary Settings
- EDF 2085, EOG 4322. 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 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 of the field, preparation for teaching practice, and the need to identify with the role of caregivers and parents. Fall, Spring.

#### EEX 4803 ED-CFCS
3(3,0) Technology for Classroom Teachers of Students with Special Needs:
- Special emphasis on the use of technology for students with special needs. Fall, Spring.

#### 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 and applying 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:
- 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 5943 ED-CFCS
12(0,35) Internship II:
- PR: Completion of specialization. Preparation for teaching practice. Fall, Spring.

#### EGD 5051 ECS-ECS
3(3,0) Engineering Concepts and Methods:
- PR: EGN 1060C. This course provides students with an introduction to the use of computer and applications software in solving engineering problems. Fall, Spring.

#### 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 1070C ECS-ECS
1(1,2) Engineering Concepts and Methods:
- PR: EGN 1060C. This course provides students with an introduction to the use of computer and applications software in solving engineering problems. Fall, Spring.

#### EGN 1090C ECS-ECS
2(2,0) Foundations of Learning Theory:
- 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 5050C ECS-ECS
3(2,2) The Digital Universe:
- PR: High School Algebra or Trigonometry. Science, math, engineering, and technology fundamentals of the information technology. Fall, Spring.

#### EGN 1160 ECS-MMAE
3(3,0) Materials in Today's World:
- A survey of the properties, manufacture, and uses of metals, ceramics, and polymers in today's world with emphasis on modern developments and new materials. Occasional.

#### EGN 2815C ECS-MMAE
3(2,3) Space Science and Technology: Past, Present, and Future:

#### 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 1060C. Fall.

#### EGN 3060C ECS-ECS
3(2,3) Introduction to Robotics:
- PR: Engineering majors take COP 3222 and STA 3023. Computer Science majors take COP 3330 and COP 3503C. Theory of perception, planning, and control. Implementation software for a complete robotic system. Fall.

#### EGN 3211 ECS-ECE
3(3,0) Engineering Analysis and Computation I:
- PR: MAC 2311. Engineering Analysis and computation with structured constructs. Subscripted variables, subprograms, input/output, Batch processing and time sharing. Engineering applications will be emphasized. Fall, Spring.

#### EGN 3310 ECS-CCE
3(3,0) Engineering Analysis-Statics:
- PR: MAC 2311, PHY 2048C both with a grade of "C" (2.0) or better; CR: MAC 2312. Fundamental concepts of mechanics, including resultant forces of systems, free-body diagrams, equilibrium of rigid bodies, and analysis of structures. Fall, Spring.

#### EGN 3310H ECS-CCE
3(3,0) Engineering Analysis-Statics (Honors):
- PR: Permission of Honors and MAC 2311, PHY 2048C both with grades of "C" (2.0) or better; CR: MAC 2312. Advanced methods of analysis of material and additional topics, including project work. With Honors content. Fall, Spring.

#### EGN 3321 ECS-MMAE
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-MMAE
3(3,0) Engineering Analysis - Dynamics Honors:
- 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-CCE
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-MMAE
3(3,0) Thermodynamics:

#### EGN 3343H ECS-MMAE
3(3,0) Thermodynamics Honors:

#### EGN 3358 ECS-MMAE
3(3,0) Structure and Properties of Materials:
- PR: CHS 1410 or COP 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 3373 ECS-ECE
3(3,0) Principles of Electrical Engineering:

#### EGN 3373H ECS-ECE
3(3,0) Principles of Electrical Engineering Honors:

#### EGN 3420 ECS-ECE
3(3,0) Engineering Analysis:
- PR: High-level computer language; MAC 2112. 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 Economics:

#### EGN 3843 ECS-IEMS
3(3,0) Systems Modeling:
- PR: CGS 1060C or equivalent. Representation of man/machine systems through analytic and computer-based models. Case studies in the analysis and improvement of systems in industry, education, and government. Occasional.

#### 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 4412C ECS-MMAE
3(1,5) Interdisciplinary Design I:
- PR: Industrial: EIN 4346C; Comp and Elect: EEE 3307C, EEL 3657, EEL 3520C, EEL 3501C, Aero: EAS 3810C; CR: EML 4312C; EAS 4404C; Comp Sci: COT 3900, COP 3503C; Mech: EML 3500, EML 3701, EML 3303C, CR: EML 4512C, EML 4890C. 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-MMAE
3(1,5) Interdisciplinary Design II:
- PR: EGN 4412C. Concentration of Interdisciplinary Design I. May be repeated for credit. Spring.
UCF Courses and Descriptions

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. Business planning and managing the 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-MMAE 3(2,4)
Small Satellite Payloads and Integration: PR: EML 3303C or EAS 3800C or EEL 3801C or BMI 4522C. 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-MMAE 3(2,4)
Processing Space-Launch Systems: PR: For ECE 3200C or EEL 4742C; For ENS 4252C: 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)
Environmental Society: Investigation of available environmental forms; energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.

EGN 4921C ECS-IEMS 2(2,1)
Interdisciplinary Research and Development I: PR: Junior standing. Engineering or Computer Science major. Research and methodology seminar. Topics to include: intellectual property, patents, global R&D, dissemination of findings. Seminar presentations by guest researchers. Occasional.

EGN 4922C ECS-IEMS 2(1,1)
Interdisciplinary Research and Development II: PR: EGN 4921C. Continuation of EGN 4921C. Occasional.

EGN 4931H ECS-ECS 3(3,0)
Engineering Honors 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 local technical issues, professional development, lifelong 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 5035 ECS-ECS 3(3,0)
Topics in Technological Development: PR: C.J. Selected topics in the technological development of western civilization including the weight-driven clock, steam engine, electric light, etc. Occasional.

EGN 5720 ECS-ECS 2(2,3)
Internal Combustion Engine Analysis and Optimization: PR: EGN 3343 or EGN 3355 or C.J. 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. M&S fee $45.00

EGN 5840 ECS-MMAE 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 5855C ECS-IEMS 3(2,2)
Methodology: PR: EIN 4391C or C.I. Advanced topics in inspection and measurement with applications in engineering and manufacturing. Occasional.

EGN 5855C ECS-IEMS 3(2,1)
Prototyping and Product Realization: PR: Basic knowledge and 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 3001 ECS-IEMS 3(3,0)
Introduction to Industrial Engineering and Management Systems: PR: MAC 2311 and Sophomore standing or C.I. Issues important to the operation of an industrial or service facility. Fall.

EIN 3314 ECS-IEMS 3(3,0)
Work Analysis and Management Design: PR: STA 3032 or C.I. Introduction to lean sigma analysis as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.

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 (internaional to inter- personal 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.

EIN 4214 ECS-IEMS 3(3,0)

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 I: PR: EIN 3314, EIN 3354, EEL 4629C; CR: EIN 4333, EIN 4391 or C.I. Design and planning of production systems including interrelationships between process layouts, material handling, warehousing and site selection. Spring. M&S fee $20.00

EIN 4391 ECS-IEMS 3(3,0)
Manufacturing Engineering: PR: CM 2040C 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 4459 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 4522C, EIN 4384 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 4512; CR: ESI 4524 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)

EIN 4891C ECS-IEMS 3(2,3)
Industrial Engineering Senior Design Project: PR: EIN 4516C. Senior standing. 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 C.I; 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. Concepts are given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5140 ECS-IEMS 3(3,0)
Project Engineering: PR: Graduate standing of 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 design and engineering of industrial tools, equipments, 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 story-board 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 5368C ECS-EEMS 3(2,2)

EIN 5388 ECS-EEMS 3(3,0)
Forecasting: PR: ESI 5210. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

EIN 5392C ECS-EEMS 3(2,2)

EIN 5607C ECS-EEMS 3(2,2)
Computer Control of Manufacturing Systems: PR: EIN 4391C, and EIN 4621C or EML 4535C, or C.I. Automated systems for manufacturing, numerical control (NC) machines, NC programming, robot control and programming, machine and system control. Odd Spring. M&S fee $45.00.

EIN 5936 ECS-EEMS 1(1,0)
Seminar in Industrial Engineering: Doctoral Research: PR: EES 2010. Essential topics for doctoral study, including research areas, skills, funding, proposals, ethics, mentors, seminars, societies, conferences, presentations, interviewing, grants, and publishing. Fall. Occasional.

ELD 4011 ED-CFCS 3(3,0)
Intro to Specific Learning Disabilities: Nature and needs of students with learning disabilities to include history, theories, characteristics, definitions, assessments, issues, and application of effective teaching practices. Occasional.

ELD 4241 ED-CFCS 3(4,0)

ELD 4242 ED-CFCS 3(3,0)
Program Planning for Specific Learning Disabilities: PR: Senior standing. Development of highly specialized techniques, curriculum materials, to be used with students with special learning disabilities. Occasional.

EMA 1002 ECS-EMAE 3(3,0)

EMA 3000 ECS-EMAE 3(3,0)

EMA 3012C ECS-EMAE 3(2,2)

EMA 3014 ECS-EMAE 3(3,0)

EMA 3124 ECS-EMAE 3(3,0)
Design and Selection of Materials: PR: EGM 3601, and EMA 3695 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3691 ECS-EMAE 3(3,0)
Nanomaterials Process Engineering: PR: EMA 3695, CHM 204C, and PHYS 204B or PHYS 204C and EGN 3365. Nanomaterials, processing, nanomachining, nanocomposites, nanocomposites and computations of devices. Occasional.

EMA 3706 ECS-EMAE 3(3,0)
Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 204C, and MAC 2312. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design. Fall.

EMA 4102 ECS-EMAE 3(3,0)
Thermodynamics and Kinetics of Materials: PR: EGN 3343, and EGN 3365 or EMA 3706. A 'C' (2.0) or better in all of the following: CHS 1440 or CHM 204C, MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHYS 2404. Application of first and 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-EMAE 3(3,0)

EMA 4313 ECS-EMAE 3(3,0)

EMA 4501 ECS-EMAE 3(2,2)

EMA 4502 ECS-EMAE 3(3,0)
Materials Characterization Techniques: PR: EMA 3691C, and EMA 3365 or C.I. Techniques and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. Occasional.

EMA 4506 ECS-EMAE 3(3,0)

EMA 4606 ECS-EMAE 3(3,0)

EMA 4701 ECS-EMAE 3(2,4)

EMA 5060 ECS-EMAE 3(3,0)

EMA 5104 ECS-EMAE 3(3,0)

EMA 5106 ECS-EMAE 3(3,0)

EMA 5108 ECS-EMAE 3(3,0)
Surface Science: PR: PHYS 2049C and C.I. Methods of characterizing physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. Occasional.

EMA 5140 ECS-EMAE 3(3,0)
Introduction to Ceramic Materials: PR: EGN 3365. Structure, properties, manufacture, and applications of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.

EMA 5317 ECS-EMAE 3(3,0)

EMA 5326 ECS-EMAE 3(3,0)

EMA 5415 ECS-EMAE 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-EMAE 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-EMAE 3(2,2)

EMA 5517 ECS-EMAE 3(2,2)
Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5504 or C.I. Principle of interactions between ion beam and solid materials; sputtering and scattering theories; fundamentals and applications of secondary ion mass and Rutherford Backscattering spectrometry. May be repeated for credit. Occasional.

EMA 5584 ECS-EMAE 3(3,0)

EMA 5585 ECS-EMAE 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-EMAE 3(3,0)

EMA 5587C ECS-EMAE 3(2,2)

EMA 5588 ECS-EMAE 3(3,0)
Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and biocompatibility interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanocomposites, biomaterials, imaging techniques, preservation techniques for biomaterials, MDS and FDA compatibility data. Occasional.
ENC 1102H CAH-WRITE 3(3,0) Honors Freshman Composition II: PR: ENC 1101 and 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 2210 CAH-ENG 3(3,0) Writing for the Business Professional: PR: ENC 1102, Junior standing or C.I. Emphasis on clear expository writing, memos, reports, and articles in the student's declared field of business. Fall, Spring.

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 information, to develop a critical sensitivity 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. Emphasis on 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 required in ENC 1102; junior standing, or C.I. Emphasis on theoretical foundations in technical writing field, and the roles of writers in industry. Fall, Spring.

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 1102 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 documentation 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 the selection 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-ENG 3(3,0) Advanced Expository Writing: PR: Grade of C (2.0) or better required in ENC 1102. Practice of expository writing directed to general reader. Fall, Spring.

ENC 3315 CAH-WRITE 3(3,0) Advanced 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, Spring.

ENC 3330 CAH-WRITE 3(3,0) Rhetorical Traditions: PR: Grade of C (2.0) or better required in ENC 1102. Examines the theory 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 market research, article genre, and the rhetorical skills needed to design and produce articles for specific audiences and publications. Occasional.

ENC 3372 CAH-WRITE 3(3,0) Topics in Rhetoric and Writing Histories and Theories: PR: Grade of C (2.0) or better required in ENC 1102. An in-depth study of a specific rhetoric and writing historical period, theoretical movement, or methodology. Occasional.

ENC 3373 CAH-WRITE 3(3,0) Alternative Rhetorics: PR: Grade of C (2.0) or better required in ENC 1102. Surveys approaches to rhetoric that fall outside the traditional Western tradition, emphasis on indigenous as well racially and socially marginalized approaches. Occasional.

ENC 3374 CAH-WRITE 3(3,0) Writing, 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. Occasional.

ENC 3453 CAH-WRITE 3(3,0) Medical Writing: PR: Grade of C (2.0) or better required in ENC 1102. Preference will be given to students whose major requires this course. Training in writing procedures and genres in the health professions. Occasional.

ENC 3454 CAH-WRITE 3(3,0) Topics in Public, Professional, and Disciplinary Writing: PR: Grade of C (2.0) or better required in ENC 1102. An in-depth study of practice with a specific type of civic, professional, or disciplinary writing. 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) Writing Studies: PR: Grade of C (2.0) or better required in ENC 1102. Examines important knowledge domains and lines of inquiry in the field variously known as Writing Studies or Rhetoric and Composition. Odd Spring.

ENC 3503 CAH-WRITE 3(3,0) Topics in Language and the Teaching of Writing: 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) Cultural Literacies: 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-WRITE 3(3,0) Journal Writing Practicum: PR: Grade of C (2.0) or better required in ENC 1102. 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 non-profit contexts. Even Fall.

ENC 4215 CAH-ENG 3(3,0) Technical Writing 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. M&S fee $10.00

ENC 4218 CAH-ENG 3(3,0) The Visual in Technical Documentation: PR: Grade of C (2.0) or better required in ENC 4230. Relevant theories of the visual and their application to technical communication practice. Fall. M&S fee $10.00

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, internationalization, 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-ENG 3(3,0) Writing/Consulting: theory & practice: PR: C.I. Theory and practice of assessment and responding to writing from the standpoint of a collaborator, as opposed to evaluator. Occasional.

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 4230 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. M&S fee $10.00

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. 
The Victorian Age: Poetry: PR: Graduate status or senior standing or C.I. A study of the major prose works and selected poetry of British Victorian writers. Occasional.

ENV 4563 ECS-CECE 3(3,0)

ENV 5071 ECS-CECE 3(3,0)

ENV 5116C ECS-CECE 3(2,3)

ENV 5334 ECS-CECE 3(3,0)

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 5536 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 5540 ECS-CECE 3(3,0)
Drinking Water Treatment: PR: ENV 4561. Drinking water treatment using existing and newly developed processes. Fe, Mn, As, NO3, DBP3, SOCs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes. Occasional.

ENV 5550 ECS-CECE 3(3,0)

ENV 5571 ECS-CECE 3(3,0)
Engineering Chemical and Biological Processes: CR: ENV 4561 or equivalent. C.I. Coverage of equilibrium/phase 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 4562C ECS-CECE 3(2,2)
Environmental Engineering Water Treatment Design: PR: ESE 4111C 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 4563 ECS-CECE 3(3,0)

ENV 5071 ECS-CECE 3(3,0)

ENL 5250 CAH-ENG 3(3,0)
The Victorian Age: Poetry: PR: Graduate status or senior standing or C.I. A study of the major prose works and selected poetry of British Victorian writers. Occasional.

ENL 5335 CAH-ENG 3(3,0)
Shakespeare: PR: Graduate status or senior standing or C.I. A selection of representative plays, with emphasis on Shakespeare's development as an artist: aesthetics of dramatic literature. Occasional.

ENL 5347 CAH-ENG 3(3,0)
The Age of Milton: PR: Graduate status or senior standing or C.I. Emphasis on the non-dramatic works of John Milton. Selections from the non-dramatic works of other 17th-century figures. 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 4112C ECS-CECE 3(2,2)
Air Pollution Measurements Lab: Measurement of gaseous flow, isokinetic sampling, and pollutant quantification. Emphasis is placed on EPA methods. Occasional.

ENV 4120 ECS-CECE 3(3,0)
Air Pollution Control: PR: CHM 2406, EGN 3343, CWR 3201 and ENV 3001 all with a grade of "C" (2.0) or better. In-depth introduction to 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. M&S fee $15.00.

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: CHM 2046 and ENV 3001 both 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 4432 ECS-CECE 3(3,0)
Potable Water Treatment: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of potable water treatment facilities. May be repeated for credit. Occasional.

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. Advanced 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: CHM 2406 and ENV 4531 both with a minimum grade of "C" (2.0) or better. Advanced water and wastewater treatment including biological nutrient removal and denitrification. Fall, Spring.

EPH 5395 ED-CFCS 3(3,0)
Physical and Sociological Implications of Health-Care Delivery: PR: ESI 4234 or equivalent. C.I. The impact of sociological and cultural factors which may contribute to the health-care delivery system. Occasional.
ESI 5306 ECS-IEMS 3(3,0) Operations Research: PR: STA 3032. Methods of operations research, including linear programming, network models and derivation of solutions; linear programming, network models queuing theory, simulation, and nonlinear optimization techniques. Fall.

ESI 5359 ECS-IEMS 3(3,0) Risk Assessment and Management: PR: ESI 5219 or STA 3032. Procedures 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. M&S fee $45.00

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.

ETG 5918 ECS-ECS 3(3,0) Applied Research Methods: PR: Graduate standing. An introduction to the major research methods from the literature review process to the investigation, modeling, experimental design, analysis of results, and technical reports. Fall.


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 non-profit organizations. Spring.

ETI 4635 ECS-ECS 3(3,0) Technical Administration: PR: Junior Standing. Techniques of managing technology driven organizations. 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 3122 CAH-HIST 3(3,0) Medieval Society and Civilization: PR: EUH 2000 and 201 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 Reformations: 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 the 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, reactions to 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, 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 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.

EUH 3431H CAH-HIST 3(3,0) Honors History of Modern Italy: PR: EUH 2001 and consent of the Honors Program Director. The story of modern Italy from the origins of national unification through the post-World War II era, with honors content. Occasional.

EUH 3441 CAH-HIST 3(3,0) Early Modern France: PR: EUH 2000 and EUH 2001, France beginning with the Napoleonic era. Topics include absolutism and Louis XIV, nation building, the Enlightenment, imperial expansion, and the French Revolution. Occasional.

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. Occasional.

EUH 3531 CAH-HIST 3(3,0) Medieval Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland's history and cultural development from 1129 to 1607. Occasional.

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. Occasional.


EUH 3651 CAH-HIST 3(3,0) War and Society: PR: EUH 2000 or C.I. The Cold War from the homefront perspective addressing both sides of the Iron Curtain. Occasional.


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. Occasional.

EUH 4465 CAH-HIST 3(3,0) History of the 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. Occasional.

EUH 4500 CAH-HIST 3(3,0) English History to 1485: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4501 CAH-HIST 3(3,0) English History: 1485-1815: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4502 CAH-HIST 3(3,0) British History: 1815-Present: PR: EUH 2000 and 2001 or C.I. Occasional.

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. Occasional.

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. Occasional.


EUH 4582 CAH-HIST 3(3,0) 20th Century Russian Diplomatic History: PR: C.I. Russian diplomatic history from the signing of the Entente Cordate to the aftermath of the Cold War. Occasional.

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. Occasional.
UCF Courses and Descriptions

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. Occasional.

EUH 4620 CAH-HIST 3(3,0)
European Great Powers: 1815-1914: PR: EUH 2000 or EUH 2001 or the Diplomacy of Vienna, Metternich's system Crimean War, unifications of Italy & Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I. Occasional.

EUH 4663 CAH-HIST 3(3,0)

EUH 4674 CAH-HIST 3(3,0)

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 Olympic Games and ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

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. Occasional.

EUH 5285 CAH-HIST 3(3,0)
Foundations of Story: PR: Graduate status or senior standing or C.I. Examination of theories and research concerning the nature of behavior, as well as motivational factors psychology in the design of displays and controls, human information processing, and the effects of some environmental variables on human performance. Spring.

EXP 3420C COS-PSYCH 4(3,2)

EXP 3450C COS-PSYCH 4(3,2)

EXP 3508 COS-PSYCH 3(3,0)

EXP 3524 COS-PSYCH 3(3,0)
Human Factors and Aging: 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. Odd Spring.

EXP 3525 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 interfaces with human-machine systems. Fall.

EXP 3550 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 the 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 1424 CAH-FILM 3(3,0)
Film Production Tools: Basic tools of filmmaking, including digital video cameras, 16 mm cameras, basic lighting equipment, non-linear editing equipment, sound recording and mixing, laboratory processing, and digital post-production. Occasional.

FIL 2030 CAH-FILM 3(2,2)
History of Motion Pictures: The history of motion pictures as art and industry, from 1905 to the present. Fall. Spring. M&S fee $0.00

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 by both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.

FIL 2423 CAH-FILM 3(3,0)
Films 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 2274C and FIL 2480. Concepts and tools of cinematography and lighting. Fall. M&S fee $5.00

FIL 2480 CAH-FILM 3(3,0)

FIL 2481 CAH-FILM 3(3,0)
Directing the Actor for Film I: PR: FIL 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)

FIL 3006 CAH-FILM 3(3,0)
Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including editing, directing, cinematography, art direction and sound. Fall. Spring. M&S fee $5.00

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: 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)
UCF Courses and Descriptions
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 3106C
CAH-FILM
3(2,3)
Introduction to Scriptwriting: PR: Film majors
only. Rudiments of scriptwriting, including visual storytelling, story structure, character, dialogue, and introduction to
scriptwriting software. Occasional.
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 nonfiction film. Fall, Spring. M&S fee $5.00
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. M&S fee $5.00

FIL 3379H
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. Studentproduced multimedia projects centered on local partnerships that explore the public history of Central Florida. With
Honors content. Occasional.

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 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. M&S fee $45.00

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 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 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 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 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 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 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 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 aethetics aspects of production
and post-production sound recording, editing, and mixing
for film. Fall.
FIL 3581
CAH-FILM
3(0,3)
Film Production Technology Workshop: PR:
Restricted to Film majors. Demonstrations and hands-on
equipment workshops to understand and operate the tools
of the filmmaking process. May be repeated for credit.
Occasional.
FIL 3720C
CAH-SVAD
3(2,4)
Introduction to Animation: PR: Animation majors
only, and a satisfactory portfolio review or C.I. Introductory
computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling
and 2D animation. Fall, Spring. M&S fee $45.00
FIL 3734C
CAH-SVAD
3(2,4)
Intermediate Animation: PR: Animation majors only,
FIL 3720C, and a satisfactory portfolio review or C.I. Focus
on 3D computer modeling and animation systems. Handson exercise on the type of high-end animation systems used
in the film industry. May be repeated for credit. Even Fall,
Spring. M&S fee $45.00
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. M&S
fee $10.00
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. M&S
fee $10.00
FIL 3811
CAH-FILM
3(3,0)
Advanced Story Structure Research: PR: FIL
3115 and Film BFA or World Cinema major. Early and
contemporary theories of story structure. Identification of
divergent ideas without dilution, development of new language, and recognition of patterns in complex structures.
Occasional.
FIL 3812C
CAH-FILM
3(3,1)
Concentration on the film theories of film-makers in relation
to their own work and to the cinema generally. Spring.

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FIL 3831
CAH-FILM
3(4,0)
Black Cinema: PR: Junior standing and ENC 1102.
Independent black film movements; theory, aesthetics and
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, World Cinema, 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.

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Interactive Writing I:

FIL 4113C CAH-FILM 3(2,3)

concentrated on specific aesthetic strategies of composition in the form of story, structure, and style. The course is theoretical with practical exercises. Occasional.

FIL 4057C CAH-FILM 3(3,1)

Films and television series in the cultural, historical, and ideological contexts.

FIL 3877C CAH-FILM 3(3,1)

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)

Films shot outside the US. The investigation of the legalities of distribution, marketing scripts and funding sources. Occasional.

FIL 3871 CAH-FILM 3(3,0)

Concentration on specific aesthetic strategies of mise en scène.

FIL 3870C CAH-FILM 3(3,1)

Interactive Writing II: PR: FIL 3871, or C.I. Writing workshop, examination of mythic structures and digital format. Occasional.

FIL 4162C CAH-FILM 3(2,3)

Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies minor, or 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 II: PR: FIL 3360C or C.I. Socially significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Fall.

FIL 4302C CAH-FILM 3(1,3)

Documentary Workshop II: PR: FIL 4301C or C.I. Non-fiction projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Spring.

FIL 4303C CAH-FILM 3(3,1)

Film Fiction and the Document: PR: FIL 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 4428 CAH-FILM 3(3,0)

Episodic Production: PR: Film or Animation Majors. Episodic film production techniques. Occasional.

FIL 4433C CAH-FILM 3(2,4)

Intermediate Film Production: PR: Film major, FIL 3427C, Advanced exploration of the aesthetic and technical facets of filmmaking. Occasional. M&S fee $45.00.

FIL 4443C 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. M&S fee $10.00.

FIL 4436 CAH-FILM 3(3,0)

Film Theory/Film Production: PR: Junior standing and FIL 1006 or C.I. Non-fiction filmmaking demonstrates 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 3(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. M&S fee $5.00.

FIL 4472C CAH-FILM 3(2,4)

Cinematography II: PR: Film major, FIL 2427, 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 documentary motion pictures. Fall. M&S fee $5.00.

FIL 4487 CAH-FILM 3(3,1)

Directing for Film III: PR: FIL 4486C. Advanced processes and techniques of film editing. Spring. M&S fee $5.00.

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 4540C CAH-FILM 3(3,1)

Non-Linear Editing: PR: Film major and FIL 3427C. Provide basic working knowledge of AVID editing system, to edit assigned projects, give basic understanding of editorial styles and techniques in film storytelling. Occasional. M&S fee $45.00.

FIL 4566C CAH-FILM 3(3,2)

Editing II: PR: FIL 2274C. Theory, techniques and practices in picture cutting. Fall. M&S fee $5.00.

FIL 4573C CAH-FILM 3(3,1)

Capitalism and Film: PR: FIL 4443C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring. M&S fee $5.00.

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.

FIL 4647 CAH-FILM 3(3,0)

Film Production Management: PR: FIL 3427C 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 3745C 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 $45.00.

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 4750W CAH-FILM 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 storyboarding, budgets, client relations, and post-production. May be repeated for credit. Fall, Spring. M&S fee $45.00.

FIL 4808 CAH-FILM 3(3,0)

Images and Text in Context: PR: FIL 2030 or C.I. Moving images, the still image, and text in their cultural contexts. Occasional.

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 4844 CAH-FILM 3(3,0)


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 discontinuities. 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.
FIN 4313 BA-FIN 3(3,0) Management of Financial Institutions: PR: FIN 3303, 3403; open to majors or minors which require this course. Analysis of management policies of financial institutions, risk management, 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; open to majors or minors which require this course. Analysis of the capital requirements 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; 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; 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; 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; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560C BA-FIN 3(4,1) Applied Portfolio Management 1: PR: Finance major, FIN 3403C, FIN 3504, 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 3(4,1) Applied Portfolio Management 2: PR: Finance major, FIN 4560C, 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; open to majors or minors which require this course. Analysis of the foreign financial markets 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, FIN 3504, 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. 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.

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 culture, language, and language immersion. Theories and applied knowledge of culture and language diversity. Occasional.

FLE 4290 ED-TL&L 2(2,0) Technology in the Foreign Language classroom: PR: EME 2040, EDG 4323. Applications of technology in the foreign language classroom including uses of the Web, e-mail, chat, electronic portfolios, electronic curriculum planning tools, and software. May be repeated for credit. Occasional.

FLE 4314 ED-TL&L 3(3,0) Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign languages to children 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: Teaching American 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: C.I., EDG 4323, or EDG 6226, or classroom teaching experience, and fluency in the target language and English. 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. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335 ED-TL&L 3(3,0) Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 4333 or FLE 8570, EDG 4323 or EDG 6226, and fluency in target language and English. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communica-tively and on integrating culture in the K-6 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5870 CAH-LANG 3(3,0) Methods of Teaching Foreign Languages: PR: Graduate status or senior standing or C.I. This course introduces prominent theories and applied research in the field of second language acquisition. It also offers guidance in the practical matters of teaching lower division language courses at university and community college levels. Occasional.

FLE 5875 CAH-LANG 3(3,0) Computer Application in Teaching Foreign Languages: PR: Graduate status or senior standing or C.I. Survey, analysis, and evaluation of computer software and Internet materials for teaching foreign languages. Occasional.
### UCF Courses and Descriptions

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<tr>
<th>Course Code</th>
<th>Title</th>
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<tbody>
<tr>
<td><strong>French Grammar:</strong></td>
<td><strong>Elementary French.</strong> Intermediate French language and toward fluency and correctness in speaking.</td>
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<tr>
<td><strong>Intensive French Conversation:</strong></td>
<td>FRE 2200 CAH-LANG 3(3,1) Intermediate French Language and Civilization</td>
<td>PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.</td>
</tr>
<tr>
<td><strong>Civilization II:</strong></td>
<td>FRE 2201 CAH-LANG 3(3,1) Intermediate French Language and Civilization</td>
<td>PR: FRE 2201 or equivalent. Students will be immersed in the form of themes, sketches, poems, and original stories. The French literature of Canada:</td>
</tr>
<tr>
<td><strong>Business French I:</strong></td>
<td>FRE 2240 CAH-LANG 3(3,0) Intensive French Conversation</td>
<td>PR: One year of French or equivalent. Focus on the practical use of the language, leading toward fluency and correctness in speaking. Occasional.</td>
</tr>
<tr>
<td><strong>French Composition:</strong></td>
<td>FRE 2420 CAH-LANG 3(3,0) Advanced French Composition</td>
<td>PR: FRE 2420 or equivalent. Continuation of FRE 2420 with emphasis on French business activities, as well as standards, procedures, and practices of the French business world. Occasional.</td>
</tr>
<tr>
<td><strong>Advanced Oral French Abroad:</strong></td>
<td>FRE 3410 CAH-LANG 3(3,0) Advanced French Phonetics and Diction</td>
<td>PR: FRE 3410 or equivalent. The major historical and geographical developments that have affected the creation of the cuisines of the world. Spring.</td>
</tr>
<tr>
<td><strong>French Business Application:</strong></td>
<td>FRE 3440 CAH-LANG 3(3,0) Business French I</td>
<td>PR: FRE 3440 or C.I. Introduction to French business language and practices. Occasional.</td>
</tr>
<tr>
<td><strong>Advanced French Oral Communication:</strong></td>
<td>FRE 3760 CAH-LANG 3(3,0) Short Stories of 18th, 19th and 20th Centuries:</td>
<td>PR: FRE 3760 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.</td>
</tr>
<tr>
<td><strong>French Phonetics and Diction:</strong></td>
<td>FRE 3780 CAH-LANG 3(3,0) French Literature of Canada</td>
<td>PR: FRE 3780 or equivalent. Savoring the diversity within the Creole cultures. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td><strong>Study Abroad in the Caribbean:</strong></td>
<td>FRE 3954 CAH-LANG 3(3,0) Advanced French Conversation</td>
<td>PR: FRE 3954 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td><strong>Advanced French Conversation:</strong></td>
<td>FRE 4421 CAH-LANG 3(3,0) Advanced French Composition:</td>
<td>PR: FRE 4421 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.</td>
</tr>
<tr>
<td><strong>Advanced French Cultural Studies Abroad:</strong></td>
<td>FRE 4422 CAH-LANG 3(3,0) French Literature and Culture:</td>
<td>PR: FRE 4422 or equivalent. The major historical and geographical developments that have affected the creation of the cuisines of the world. Spring.</td>
</tr>
<tr>
<td><strong>Advanced French Cultural Studies Abroad:</strong></td>
<td>FRE 4471 CAH-LANG 3(3,0) French Literature and Culture:</td>
<td>PR: FRE 4471 or equivalent. 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.</td>
</tr>
<tr>
<td><strong>Advanced French Phonetics and Diction:</strong></td>
<td>FRE 4500 CAH-LANG 3(3,0) French Civilization and Culture:</td>
<td>PR: FRE 4500 or equivalent. A survey of the French of equides gestes with the to the main epoches and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.</td>
</tr>
<tr>
<td><strong>Quebecois Civilization:</strong></td>
<td>FRE 4503 CAH-LANG 3(2,0) Quebecois Civilization</td>
<td>PR: Two 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.</td>
</tr>
<tr>
<td><strong>Advanced French Cultural Studies Abroad:</strong></td>
<td>FRE 4782 CAH-LANG 3(2,0) Advanced French Phonetics and Diction:</td>
<td>PR: Advanced French Phonetics and Diction: 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.</td>
</tr>
<tr>
<td><strong>Advanced French Cultural Studies Abroad:</strong></td>
<td>FRT 3140 CAH-LANG 3(3,0) Advanced French Cultural Studies Abroad:</td>
<td>PR: FRT 3140 or equivalent. The major historical and geographical developments that have affected the creation of the cuisines of the world. Spring.</td>
</tr>
<tr>
<td><strong>Survey of French Literature II:</strong></td>
<td>FRW 3100 CAH-LANG 3(3,0) Survey of French Literature I</td>
<td>PR: FRW 3100 or equivalent. Main literary currents and works from the Middle Ages through the 19th century. Fall.</td>
</tr>
<tr>
<td><strong>Survey of French Literature II:</strong></td>
<td>FRW 3101 CAH-LANG 3(3,0) Survey of French Literature II:</td>
<td>PR: FRW 3101 or equivalent. Main literary currents and works from the 19th and 20th centuries. Spring.</td>
</tr>
<tr>
<td><strong>French Medieval Literature and Culture:</strong></td>
<td>FRW 3430 CAH-LANG 3(3,0) French Medieval Literature and Culture:</td>
<td>PR: FRW 3430 or equivalent. The major historical and geographical developments that have affected the creation of the cuisines of the world. Spring.</td>
</tr>
<tr>
<td><strong>Advanced French Composition:</strong></td>
<td>FRW 3810 CAH-LANG 3(3,0) French Literary Texts and Analysis:</td>
<td>PR: FRW 3810 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazin, Beckert, Butor, Camus, Mauriac, Mafraux and Sarrate. Occasional.</td>
</tr>
<tr>
<td><strong>Advanced French Composition:</strong></td>
<td>FRW 4310 CAH-LANG 3(3,0) Seventeenth Century French Theatre:</td>
<td>PR: FRW 4310 or equivalent. Seventeenth Century French Theatre: PR: FRW 4310 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazin, Beckert, Butor, Camus, Mauriac, Mafraux and Sarrate. Occasional.</td>
</tr>
<tr>
<td><strong>Advanced French Composition:</strong></td>
<td>FRW 4324 CAH-LANG 3(3,0) 20th Century French Drama:</td>
<td>PR: FRW 4324 or equivalent. A survey of the lives and principal works of the authors. Occasional.</td>
</tr>
<tr>
<td><strong>Early Modern French Fairy Tales:</strong></td>
<td>FRW 4352 CAH-LANG 3(3,0) French Romanticism:</td>
<td>PR: FRW 4352 or equivalent. Early Modern French Fairy Tales: PR: FRW 4352 or equivalent. Conducted in French. Occasional.</td>
</tr>
<tr>
<td><strong>Nineteenth Century French Literature:</strong></td>
<td>FRW 4552 CAH-LANG 3(3,0) Nineteenth Century French Literature:</td>
<td>PR: FRW 4552 or equivalent. Conducted in French. Occasional.</td>
</tr>
</tbody>
</table>

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**Technical and Professional Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Supply and Procurement Management:</strong></td>
<td>FSS 3300 RCHM-HOS 3(3,0) Supply and Procurement Management:</td>
<td>PR: HFT 3300 or equivalent. The major historical and geographical developments that have affected the creation of the cuisines of the world. Spring. M&amp;S fee $35.00</td>
</tr>
</tbody>
</table>

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**Additional Resources:**

- [UCF Undergraduate Catalog 2011-2012](#)
FSS 4286C  RCHM-HOS  3(3,1)
Catering and Banquet Organization: PR: FSS 2212C or equivalent. 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. MAS fee $70.00

GEA 4401  CAH-CAH  3(3,0)
Geography of Latin America and Caribbean: 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 3113  BA-MAN  3(3,0)
How to Start a Business: PR: Sophomore Standing. Provides background and tools necessary to understand and participate in the entrepreneurial process within a large company, new venture, or growing a small business. Occasional.

GEB 3375  BA-FIN  4(4,0)
Introduction to International Business: PR: Junior standing and ACG 2071, ECO 2013 and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.

GEB 3375H  BA-FIN  4(4,0)

GEB 4110  BA-MAN  3(3,0)
Business Plan Preparation: PR: MAN 4802 or GEB 4152. 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 or GEB 4152. Knowledge and hands-on processes in the accounting, finance and treasury functions needed to start and manage a new venture from inception. Odd Fall, Even Spring.

GEB 4152  BA-MAN  3(3,0)

GEB 4361  BA-FIN  3(3,0)

GEB 4363  BA-FIN  3(3,0)
Export and Import Management: PR: Finance major, standing, and admission to CBA. Focuses on the management of import/export business and provides students with knowledge about international trade. Occasional.

GEB 4374  BA-FIN  3(3,0)
International Negotiations and Transactions: PR: Finance major, standing and admission to CBA. Focuses on understanding of the concepts and skills required for international negotiations and transactions. Occasional.

GEB 4435  BA-MAN  3(3,0)

GEB 4824  BA-BUS  3(3,0)
Business Law in Sport & Entertainment: PR: SPB 3003, and either FIN 2100 and MAR 3023 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. The area 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  ECS-CECE  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  ECS-CECE  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: 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: PR: GER 1120C or equivalent. 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 1120H  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 1120H or equivalent. Continuation of GER 1120C. Fall, Spring.

GER 1121H  CAH-LANG  4(4,1)
Honors Elementary German Language and Civilization II: PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. Occasional.

GER 2200  CAH-LANG  3(3,1)
Intermediate German Language and Civilization: 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 III: PR: GER 1121C 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 2220  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 lectures, readings, films, and other media. In German. Occasional.

GER 3102  CAH-LANG  3(3,0)
Germany - Past to Present: PR: GER 3760 or GER 2210 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 lectures, readings, films, and other media. In German. Occasional.

GER 3420  CAH-LANG  3(3,0)

GER 3440  CAH-LANG  3(3,0)

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 intonation. 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.
UFC Courses and Descriptions

GEW 3100 CAH-LANG 3(3,0) Survey of German Literature II: 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 works 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-CFC 3(3,0) Physiology of Aging: PR: BSC 2101C or PCH 3702C or PET 3515C 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 standing or C.I. Study of aging from an 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 2101C, 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. Problems involving the use of computer graphic systems for visual publication. Occasional. M&S fee $15.00

GRA 2101H 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. Fall, Spring. M&S fee $15.00

GRA 2111C CAH-SVAD 3(2,4) Graphic Design I: PR: ART 201C. Basic principles, concepts, and techniques in graphic design and art for visual publication. Occasional. M&S fee $15.00

GRA 2140C Computer Graphic Design: PR: Acceptance in Graphic Design Concentration. GRA 3102C, ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Problems involving the use of computer graphic systems for visual publication. Occasional. M&S fee $15.00


GRA 3102C Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Methods related to studio projects in graphic design. Fall. M&S fee $15.00

GRA 3112C Intermediate Graphic Design II: PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. Spring. M&S fee $45.00

GRA 3202C Type & Design: PR: ART 2201C, ART 2300C, ART 2301C. (PA 4190H or equivalent) Typography, letter forms and their appropriate use as subject matter for graphic design and publication. Fall, Odd Spring. M&S fee $15.00

GRA 3374H Intermediate Illustration I: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate course in principles and techniques in graphic design and art for visual publication. Fall.

GRA 3803C CAH-SVAD 3(2,4) Intermediate Computer Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate course in principles and techniques in graphic design and art for visual publication. Fall.

GRA 3950H Graphic Design Portfolio Application: PR: ART 2101C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Additional problems involving the use of advanced level techniques in illustration media. May be repeated for credit. Occasional. M&S fee $45.00

GRA 4154C CAH-SVAD 3(2,4) Advanced Illustration: PR: ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Illustration problems involving the use of advanced level techniques in illustration media. May be repeated for credit. Occasional. M&S fee $45.00

GRA 4196C CAH-SVAD 3(2,4) Advanced Graphic Design: PR: Acceptance in Graphic Design Specialization. ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate studio problems, with emphasis on organization of visual design elements. Fall. M&S fee $45.00

GRA 4197C CAH-SVAD 3(2,4) Special Problems in Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced problems in visual design and reproduction. May be repeated for credit. Spring. M&S fee $15.00

GRA 4802C CAH-SVAD 3(2,4) Advanced Computer Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Problems involving the use of advanced computer graphic systems for electronic publication. Odd Fall. M&S fee $15.00

GRE 1120H CAH-LANG 4(4,0) Elementary Greek Language and Civilization II: PR: Permission of Honors. Introduces students to Classical Greek literature and civilization through the study of grammar and syntax and extensive readings of Greek texts. Occasional.


GRE 2200H CAH-LANG 4(4,0) Introductory Persian for Individual Study: PR: GRE 1121H and permission of Honors. Readings in selected original Greek texts, e.g., Plato’s apology. May be repeated for credit. Occasional.

HAI 1120 CAH-LANG 4(4,0) Elementary Haitian Language and Culture I: PR: Permission of Honors. Introduction to Haitian culture and civilization through the study of language skills; listening, speaking, reading and writing, as well as to constitute an introduction to Israeli culture. Fall.


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.

Multi Media Applications in Exhibitions: HFT 334 RCHM-TEA 3(3,0)

Event Design, Production & Technology: HFT 3373 RCHM-TEA 3(3,0)

Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. 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.

Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing or C.I. Discussion of the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.

Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. Fall, Spring.


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.

Golf Planning & Operations I: Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. Occasional.

AGRONOMY FOR GOLF COURSE MANAGEMENT: 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.


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.

Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2750, or C.I. The management of the audio and visual process of a large exhibition. Occasional.
HFT 4253 RCHM-HOS 3(3,0) Hotel Operations: PR: HFT 2401, HFT 2500, HFT 3444, HFT 3603 and Senior Standing. Provides the advanced student with first-hand knowledge of the day-to-day operations of a hotel property. Reconciles conflicts between theory and practice in a real life hotel. Occasional.

HFT 4255 RCHM-HOS 3(3,0) Advanced Hotel Development: PR: HFT 4464, HFT 4522, HFT 3431, C.I. Hotel development practices, risk management and other investment decision factors. Occasional.

HFT 4266 RCHM-HOS 3(3,0) Restaurant Brand Management: PR: HFT 3263 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry. Occasional.

HFT 4268 RCHM-HOS 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 4269 RCHM-HOS 3(3,0) Case Studies in Multi-Unit Restaurant Management: PR: HFT 3263. Application of case study methodology to advanced topics in chain or multi-unit restaurant and foodservice operations. Occasional.

HFT 4274 RCHM-HOS 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 resorts. Occasional.

HFT 4275 RCHM-HOS 3(3,0) Development of Vacation Ownership Resorts: PR: HFT 3273 and HFT 4473 or C.I. 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-HOS 3(3,0) Restaurant Leadership Strategies and Tactics: PR: Hospitality Management Core and Restaurant Management Core or C.I. An analysis of the leadership styles of restaurant industry founders and executives. Fall, Spring.

HFT 4284 RCHM-HOS 3(3,0) Training and Employee Performance in the Foodservice Industry: PR: HFT 2220, HFT 3540; HFT 4208; HFT 4343; FSS 3124; FSS 4135. Teaching and training methodologies relative to the service positions in a restaurant. Encompasses training techniques, guest interaction, and assessment of service performance. Occasional.

HFT 4286 RCHM-HSP SERV 3(3,0) Hospitality Communications: PR: HFT 1001, HFT 2220, FSS 2212C, HFT 2254; HFT 2500; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentation, conflict resolution, and report writing. Emphasis on interdepartmental department by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4288 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 4289 RCHM-HSP SERV 3(3,0) Hospitality Business Consulting: PR: HFT 1000 and junior standing or C.I. A systematic approach to Hospitality Management. Students apply their cumulative knowledge in an active learning environment in a small hospitality operation. Occasional.

HFT 4343 RCHM-HSP SERV 3(3,0) Hospitality Facilities Planning and Design: PR: Hotel Operations. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. Odd Fall.


HFT 4375 RCHM-TEA 3(3,0) Advanced Trade Show Management: PR: HFT 4745 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 4425 RCHM-HSP SERV 3(3,0) Financial Analysis for Restaurant Managers: PR: HFT 2401, HFT 3431, and HFT 3263. Topics of unit level economics, budgeting, valuation of restaurant enterprises, ownership models, franchising finance, and securing access to capital through debt and equity markets. Occasional.


HFT 4457 RCHM-HSP SERV 3(3,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Even 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. Revenue management practices in hospitality organizations which include capacity management, revenue forecasting, discounting, overbooking and rate management. Fall, Spring.

HFT 4473 RCHM-HSP SERV 3(3,0) Hotel Development Analysis: PR: HFT 3431 and junior standing or C.I. Review of methodological operation, financial, and marketing aspects of analyses for hotel development projects. Occasional.

HFT 4522 RCHM-HOS 3(3,0) Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 2254, or C.I. Sales tactics and corporate strategies employed in the sales and marketing of resorts. Occasional.

HFT 4523 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 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 4645 RCHM-HOS 3(3,0) Restaurant Real Estate, Site Selection, and Marketing: PR: Hospitality and Restaurant Management Cores or C.I. Explains the management systems for finding, evaluating, securing, and developing dynamic restaurant real estate locations. Occasional.

HFT 4722 RCHM-TEA 3(3,0) Travel Agency Management: PR: Junior Standing. The trends operation management procedures and practices of travel agents. Emphasis on tools utilized in agency operations. 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 3520, HFT 3518, 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. MB3 fee $60.00

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 4786 RCHM-TEA 3(3.0) Managing the Guest Experience in the Theme Park and Attractions 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 3797. Capstone course in event management. Students produce an event that has been planned in HFT 3797. 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 entertainment attraction. Covers show development, event production, creative processes, casting, costing, 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 the United States. A study of how to 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 3870, 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-HOS 3(3.0) Sanitation in the Food Service Industry: PR: HFT 1000 and junior standing or C.I. Causes and prevention of food spoilage and foodborne illnesses. Includes National Restaurant Association (NRA) certification. Occasional.

HFT 4861C RCHM-HOS 3(3.1) Beverage Management: PR: 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. Spring. M&S fee $45.00


HFT 4865 RCHM-HOS 3(3.0) Advanced Wine Management: PR: HFT 4868C or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional. M&S fee $45.00

HFT 4866C RCHM-HOS 3(3.1) Exploring Wines of the World: PR: HFT 1000; HFT 3250; and Age of 21; 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. Odd Fall, Even Spring. M&S fee $70.00

HFT 4894 RCHM-HOS 3(3.0) International Gastronomy: PR: FSS 2221C, HFT 3700, 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. Spring.

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 1450, HIM 1451C, and HIM 1452. An overview of services and terminology in the department of health information management. Fall, Spring.

HIM 3380C HPA-HMI 3(1.4) Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HSC 3537 and HMI 3116C. Clinical experience; 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: CR: HIM 4226C, Analysis of management functions in health information retrieval; CPT/HCPCS; APCs; encoders. Fall.

HIM 4344C HPA-HMI 3(2.2) Health Information Department Management: PR: HFT 3670, HSC 3537, HIM 4315, MUE 3210, RED 4519, MAE 4326, and EDE 3942. 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. Vitalization 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. The development of guest needs and expectations in theme parks and attractions. Fall, Spring.

HIM 4861C HPA-HP 3(1.4) Professional Practice Experience II: PR: HIM 3806C or CR: HIM 3806C, HIM 4508C, 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 4873 HPA-HP 5(0.15) Management Affiliation: PR: or CR: HIM 4676 and HIM 4516C. 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 3(0.8) Cooperative Education in History: PR: Departmental permission before required registerring. Cooperative education experience in history. Graded S/U. May be repeated for credit. Occasional.
UCF Courses and Descriptions


HSA 3222 HPA-HP  3(3,0)  Long Term Care and Administration: PR: HSA major and Sophomore standing, or C.I. Organization and funding 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 maker behaviors in the delivery of health services. Fall, Spring.

HSA 4109 HPA-HP  3(3,0)  Principles of Managed Care: PR: HSA 3111; Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4150H  HPA-HP  3(3,0)  Honors Health Care Policy: PR: Permission of Honors and Junior Standing or C.I. Examination of five significant policy issues to enable the student to gain knowledge and understanding of the complexities of health care as a societal issue. Occasional.

HSA 4180 HPA-HP  3(3,0)  Organization & Management for Health Agencies I: PR: HSA 3111 or admitted to HILL 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 C.I. Analysis and design of computerized systems for health data and health administration. Fall, Spring.


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 control, risk reduction and risk transfer in health care. Fall, Spring.

HSA 4701 HPA-COM SC&DIS  6(6,0)  Introduction to Research in the Health Professions: PR: Senior or post-bac standing. The logic of research and the architecture of basic and applied investigations that are internally and externally reliable and valuable will be stressed. Occasional.

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, 50 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 5171 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 5208 or passing score on statistics assessment exam. Emphasis on development of a general systemic 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 coding skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. 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. Fall.


HSC 2201 HPA-HP  2(2,0)  LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following: B.S 3(3,0) or better; HSC 1931C, EGN 1038C, IDS 1040C, GEK 1091C or EDG 1083C. 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: ENC 1101 and MGF 1106. 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: Review of terminology and regulations. Study of drug types and usage. Fall, Spring.

HSC 3201 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 3406C HPA-HP  3(2,3)  CPR & First Aid: To train individuals to accepted and recognized medical standards in emergency first aid and CPR to include medical, environmental and trauma related emergencies. Occasional.

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 work 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 4009 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 2014C 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 4243 HPA-HP  3(3,0)  Analysis of Instruction in Health Professions: Development of teaching aids, audiovisuals, learning packages. Course development, group learning, evaluation of didactic and clinical performance. 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: HSC 4555, HSC 4556, and either 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. Fall, Spring.

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, hematopoietic, nervous, and endocrine systems. Fall, Spring.
UCF Courses and Descriptions

**IDH 1920H** BHC-HON (2,1,1)

**IDH 1921H** BHC-HON (2,0,2)
Honors Symposium II: PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.

**IDH 1923H** BHC-HON (2,0,2)
Honors Symposium Founding of Leadership: PR: Permission of Honors. An honors symposium that presents academic leaders and their research or artistic achievements. Students are organized in groups to discuss leadership principles and applications. Graded S/U. Occasional.

**IDS 3600H** CAH-PHIL (3,0,0)
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.

**IDS 4030H** BHC-HON (1,0,0)
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 as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

**IDS 1040C** COS-COMM (1,0,0)
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, ENC 1070C, ENC 1071C, ENC 1930C, Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

**IDS 3150** UGST-INTERDISC (3,0,0)
Foundations of Environmental Studies: PR: Junior standing, completion of 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** HPA-PUB (3,0,0)
Civic Engagement: PR: Junior standing and either PAB 3000 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 (3,0,0)
World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economics, languages, and social systems using approaches and data from multiple disciplines. Occasional.

**IDS 3334** CAH-HIST (3,0,0)
Topics in Latin Studies: PR: ENC 1102. Multidisciplinary course exploring various topics pertaining to Latin in the U.S. Occasional.

**IDS 3932** UGST-INTERDISC (3,0,0)
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 4156** UGST-INTERDISC (3,0,0)
Solving Environmental Problems: PR: IDS 3150, ECP 4003, GIS 3045C, GIS 4301C and PUB 3203, or C.I. Capstone course in Environmental Studies focusing on how environmental dilemmas are addressed. Occasional.

**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: Completion of general education requirements and junior standing or C.I. The historical and contemporary contexts of globalization. Spring.

**IDS 4335** CAH-CAH (3,3,0)
Latin Artistic Expressions: PR: IDS 3334 or C.I. Latin culture as represented by the Arts in the United States. Odd Spring.

**IDS 4934** UGST-INTERDISC (3,3,0)
Capstone Experience: PR: IDS 3503. 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 4955** COS-SOC (3,3,0)

**IDS 5127** COM-MSM (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.

**IDS 5145** ECS-EMS (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.

**IDS 5717C** 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 studies. Fall.

**IDS 5719** COS-PSYCH (3,3,0)
Qualitative Aspects of Modeling and Simulation: PR: MAC 2241 or equivalent. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.

**IDS 5915** CAH-PHIL (3,3,0)

**IDS 5936** CAH-PHIL (3,3,0)
Topics in 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, and behavioral capacities. Fall.

**IDS 5904C** COS-PSYCH (3,3,2)
Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychology majors are required to study and learn the principles applicable to problems in industrial organizations. Fall.

**IDS 3951** COS-PSYCH (3,0,10)
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

**IDS 4252** COS-PSYCH (3,3,0)
Advanced Industrial Psychology: PR: INP 3004C and PSY 2123. Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, job design, and work environment. Occasional.

**IDS 4313** COS-PSYCH (3,3,0)
Organizational Psychology: PR: INP 3004C. Application of psychological principles to understanding individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, intergroup behavior, and organization development. Occasional.

**IDS 4380** COS-PSYCH (3,3,0)
Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups from social and applied psychology perspectives. Occasional.

**IDS 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.

**IDS 2002** COS-POLS (3,3,0)
International Relations-Theory and Practice: Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.

**IDS 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.

**IDS 3250** COS-POLS (3,3,0)

**IDS 3253** COS-SUS (3,3,0)
International Politics of Africa: PR: Junior standing 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.

**IDS 4011** COS-POLS (3,3,0)

**IDS 4030** COS-POLS (3,3,0)

**IDS 4030H** COS-POLS (3,3,0)

**IDS 4035** COS-POLS (3,3,0)
International Political Economy: 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.
ITALIAN CIVILIZATION I: PR: JPN 1102 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.

ITALIAN CIVILIZATION II: PR: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization. Spring.

JPN 2952 CAH-LANG 3(3,0) 

JPN 3760 CAH-LANG 3(3,0) 
Advanced Japanese Conversation: PR: JPN 1121C or equivalent. Proficiency 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) 

JST 3100 CAH-JUD 3(3,0) 

JST 3120 CAH-JUD 3(3,0) 

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) 

JST 3126 CAH-JUD 3(3,0) 

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 3320 CAH-JUD 3(3,0) Modern Hebrew Culture: The 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 Jewish society and politics. 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 TL&L 3(3,0) Language Arts in the Elementary School: PR: EDF 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 TL&L 3(3,0) Programs in Teaching Language and Composition: PR: EDF 4410; CR: LAE 3430 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students. Fall, Spring.

LAE 4636 ED-TL&L 3(3,0) English Instructional Analysis: PR: EDF 4410, EDF 4467, TSL 4080, and LAE 4646. 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 4631 ED-TL&L 3(3,0) Literacy Strategies for Middle and High School: PR: EDF 4233 or ECT 3365 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 4644 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.

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 5205 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 TL&L 3(3,0) Methods of Elementary School Language Arts: PR: EDF 4323. Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.

LAE 5337 TL&L 3(3,0) Literacy Strategies for Middle and Secondary Teaching: PR: EDF 5236 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. Occasional.

LAE 5338 TL&L 3(3,0) Teaching Writing in Middle and High School: PR: EDF 5236 or C.I. Techniques and methods in teaching dialects, semantics, and the various grammars within the context of writing. Fall, Spring.

LAE 5346 TL&L 3(3,0) Methods of Teaching English Language Arts: PR: EDF 5236 or C.I. 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.
LIT 3349H CAH-ENG  3(3,0)  

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)  

LIT 3823 CAH-ENG  3(3,0)  

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 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 3905 CAH-ENG  3(3,0)  
Direct Experience and Modern 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 3911H CAH-ENG  1(1,0)  

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 varied 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.
MAP 4600 BA-MAN 3(3,0) International Management: PR: Approved major or minor, MAP 3605. Course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAP 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.

MAP 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 a sponsoring organization to modern organizational problems and opportunities. Fall, Spring.


MAP 4802 BA-MAN 3(3,0) Entrepreneurship: PR: GEB 3031 or (MAN 3025 and MAR 3023). Study of entrepreneurship with emphasis on innovative planning, feasibility, planning, product and service concepts, and organizing financing and developing a new venture. Fall, Spring.

MAP 4804 BA-MAN 3(3,0) Small Business Consulting: PR: 3.0 GPA and Business major in graduation term or C. Students are assigned teams and work with a local small business. Occasional.

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 5021 BA-MAN 1.5(1,0) 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 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) Differential Equations: PR: Grade of "C" (2.0) or better in MAC 2302, methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. Fall, Spring.

MAP 2302H COS-MATH 3(3,0) Differential Equations (Honors): PR: Grade of "C" (2.0) or better in MAC 2302, 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) 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.

MAP 3923 COS-MATH 1(1,0) Frontiers in Mathematical Research: Colloquium 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 3937 COS-MATH 1(1,0) Techniques of Problem Solving: PR: MAC 2311 and CR: MAC 2312; or C.I. Methods for solving problems in a wide variety of fields, with an emphasis on proper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. Fall.


MAP 4113 COS-MATH 3(3,0) Probability, Random Processes and Applications I: 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 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 for Actuarial Science: PR: MAC 2312 and STA 2303. Linear and dynamic programming, project scheduling, integer programming, theory of queues and stochastic simulation. Occasional.


MAP 4364 COS-MATH 3(3,0) Applied Boundary Value Problems II: PR: MAP 4363 or C.I. Legendre polynomials and Bessel functions. The theory of Sturm-Liouville. Separation of variables. Applications involving the wave equation, heat equation and equation of Laplace. Spring.

MAP 4371 COS-MATH 3(3,0) Numerical Methods for Differential Equations: PR: MAC 2313, MAP 3105 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. Occasional.


MAP 5006 COS-MATH 3(3,0) Introduction to Quantitative Aspects of Modeling and Simulation: PR: MAC 2253, graduate status or senior standing, or C.I. An introduction to calculus, matrix algebra, probability and statistics, and high level programming languages. A student who has mastered this content does not have to take this course. Occasional.

MAP 5117 COS-MATH 3(3,0) Mathematical Modeling: PR: STA 4321, MAP 4363, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying stability and determining models. Fall.


MAP 5396 COS-MATH 3(3,0) Splines and Data Fitting: PR: MAS 3106, MAS 3105, or C.I. Theory of splines and their application to data fitting. Applications to regression analysis, differential and integral equations. Algorithms to use different types of splines in computation. Occasional.

MAP 5404 COS-MATH 3(3,0) Mathematical Foundations for Industrial Engineering and Operations: PR: MAP 2302, ESI 5219 or equivalent, ESI 4312, and graduate status or senior standing or C.I. Methods of proof, set theory, basic elements of topology, real analysis, graph theory, and matrix analysis. Occasional.

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: MAC 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: PR: MAP 2302, MAP 4383, and graduate status or senior standing, or C.I. Equations of motion in in viscous 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 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) Marketing - Honors: 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 Management: PR: Permission of Honors College. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information required to meet customer’s demands. Fall, Spring.

MAR 3203H BA-MAR 4(4,0) Honors Supply Chain Management: PR: Consent of Honors. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information required to meet customer’s demands. With Honors content. Fall, Spring.

MAR 3391 BA-MAR 3(3,0) Integrated Marketing Communications: 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 market- ing 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 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. Analysis 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. Exploration of 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 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 3023 with a grade of C (2.0) or better or ECQ 2010 with a grade of C (2.0) or better. Analysis tools and their application to marketing problems and decision making. 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) Technology Applications in 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 Common Program Prerequisites 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. Investigations 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: MAR 3023, MAR 4105, common program prerequisites, approved major or minor, and department consent. Advanced study of selected contemporary strategic issues in selling and sales management. Spring.

MAR 4415C BA-MAR 3(3,0) Advanced Professional Selling: PR: MAR 3023 and common program prerequisites and appropriate Major or Minor and MAR 3391 and Department Consent. Advanced study of the professional selling process, including team selling, negotiations, 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 marketers, 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 3023 and a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAR 3403 with a grade of C (2.0) or better. Planning, organizing, implementing 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 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAR 4803 with a grade of 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 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 Rn, linear transformations, eigenvectors, Jordan Form, matrix functions, quadratic forms. Fall, Spring.

MAS 3106 COS-MATH 4(4,0) Linear Algebra: PR: MHF 3302, MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. (Only offered spring semester). 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, factoring, the division algorithm and congruences. Spring.

MAS 4301 COS-MATH 3(3,0) Abstract Algebra I: PR: MHF 3302 and MAS 3105, 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 4302C 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 and Discrete Mathematics: PR: MAS 3108, MAS 4301, and MAD 4203 or MAD 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: MAC 2312 or C.I. Linear equations, 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) Abstract Algebra with Applications: PR: MAS 4935 or undergraduate abstract algebra. C.I. Group actions, the class equation, Sylow Theorems, polygonal rings, Euclidian domains, principal ideal domains, field extensions, modules, and semi-simple rings. Fall.

MAT 1033C COS-MATH 2(1,4) Intermediate Algebra: Reinforcement and development of algebra skills. Operations with polynomial, rational expressions; radicals, rational exponents, linear and quadratic equations, linear inequalities. 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 5712 COS-MATH 3(3,0) Scientific Computing: PR: MAC 2313, MAC 4212, MAS 3105, or C.I. Matlab fundamentals, computer arithmetic, numerical linear equations, polynomial interpolation, divided differences, splines, curve fitting, least-squares method, numerical differentiation and integration. Even Fall.

MCB 1310C 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.


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, microbial diversity, genetics, virology, environmental control, ecology, pathogenesis; and laboratory techniques. Fall, Spring. M&SE 454.00

MCB 3209D COM-M&M 5(3,5) General Microbiology Honors: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 3209 with enrichment and further development of analytical skills in a separate laboratory and discussion section. With Honors consent. Fall.

MCB 3202 COM-M&M 3(3,0) Principles of Infectious Disease: PR: MCB 3200C. 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 3200C 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&SE 454.00

MCB 3404 COM-M&M 3(3,0) Bacterial Genetics and Physiology: PR: PCB 3522. Basic principles of microbial genetic analysis and emphasizing how microbial genetic approaches are used to understand fundamental physiological processes in bacteria. Spring.
### MCB 3522H COM-M&M 3(3,0)
**Biotechnology and Genetic Engineering Seminar:**

### MCB 4114C COM-M&M 4(3,3)
**Deterministic & Stochastic Microbiological Models:**
- PR: MCB 3020C, MCB 3202. Microbial classification taxonomic rules and nomenclature techniques for identification and interrelating the phyta and taxa of bacteria. Occasional. M&S fee $15.00

### MCB 4203 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 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 4721C COM-M&M 4(2,4)
**Method 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-Research 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-paralleled technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

### MCB 5025 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 5028 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 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 mechanisms 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 discovery in the pharmaceutical industry and technical presentation. May be used in the degree program a maximum of 2 times. 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 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 indenpendently. Fall.

### 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 or C.I. 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 3(3,0)
**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 planning to take upper level mathematics. Fall, Spring.

### MGF 3302 COS-MATH 3(3,0)
**Logic and Proof in Mathematics:**

### MGF 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.

### MHS 2320 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 and 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 3305C 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 the 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 4420C COM-M&M 1(1,2)
**Clinical Mycology:**
- PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Occasional. M&S fee $15.00

### MLS 4430C COM-M&M 2(1,3)
**Clinical Parasitology:**
- PR: MCB 3020C, CHM 2210, PCB 3703C or C.I. Introduction and laboratory practice in the examination and study of clinical material for the detection and identification of animal parasites. Even Fall. M&S fee $15.00

### MLS 4460C COM-M&M 5(3,6)
**Clinical Pathogenic Microbiology:**
- PR: Admission to the professional phase of the MLS program. Analysis of clinical pathogenic bacteria, fungi, viruses and their correlation to disease. Spring. M&S fee $45.00

### MLS 4505C COM-M&M 3(3,0)
**Immunodiagnostics:**

### 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:**
- PR: 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.
MUE 3333 CAH-MUSIC 3(3,0)

MUE 3353 CAH-MUSIC 2(2,0)

MUE 3451 CAH-MUSIC 1(1,0)
Woodwind Techniques II: PR: MUE 2450, MUE 2540 major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 3461 CAH-MUSIC 1(1,0)
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 3490 CAH-MUSIC 1(1,0)

MUE 3692 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, TGL 4800, EDG 4800 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.

MUE 4311 CAH-MUSIC 2(2,0)
Elementary School Music Methods: PR: Junior standing, MÜED major. Organization and administration of instruction for comprehensive music education, K-6, instructional planning techniques, and materials for elementary music education. Fall.

MUE 4330 ED-TLL 2(2,0)
Secondary School Music Methods: PR: MUE 4311 or C.I. Instructional planning, techniques and materials in middle school, junior high and senior high classrooms; consideration of general music education program, evaluation materials and procedures. Spring.

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 4350 ED-TLL 2-3(2-3,0)
MUL 2014 CAH-MUSIC 3(3,0) Introduction to Music History and Literature: PR: Music major or C.I. Musical repertories and cultures from the Western art music tradition, American jazz, and non-western music. Odd Fall.

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 3040 Piano Literature I: PR: Major in Music or C.I. Survey of keyboard literature from the 16th century to the present, with emphasis on technical, formal and performance problems. 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 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 Guitar Literature and Pedagogy: PR: MUL 2014 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. Odd Fall.


MUL 5436 Guitar Literature and Pedagogy: PR: Graduate standing in Music or C.I. Survey of significant repertoire and pedagogy for classical guitar. Odd Spring.

MUL 5439 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. Odd Fall.

MUL 5447 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. Odd Spring.

MUL 5448 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. Even Fall.

MUN 3443 CAH-MUSIC 1(2,0) Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for percussion ensembles. May be repeated for credit. Fall, Spring. 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. Fall, Odd Spring. 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. Fall, Spring. 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. Fall, Spring. M&S fee $20.00

MUN 3487 CAH-MUSIC 1(0,2) Guitar Ensemble: PR: Audition or C.I. Study and performance of pre-classic music for multiple guitars. May be used in the degree program a maximum of 8 times. Odd Spring. M&S fee $20.00

MUN 3713 CAH-MUSIC 1(0,4) Jazz Lab: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. 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. Fall, Spring. M&S fee $20.00

MUN 3723 CAH-MUSIC 1(0,3) Vocal Jazz Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Occasional.

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. Fall, Spring. M&S fee $20.00

MUN 4476 CAH-MUSIC 1(0,2) Early Music Ensemble: PR: Open to all students. Study and performance of music for small ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

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. Odd Fall. M&S fee $35.00

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. Odd Fall. M&S fee $20.00

MUN 5215 CAH-MUSIC 1(0,5) Symphony Orchestra: PR: Open to all graduate students by audition. Study and performance of music from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. 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 music for women’s voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5368 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. Occasional. M&S fee $20.00

MUN 5385 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. Occasional. 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 percussion ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. 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. Occasional. 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. Occasional. 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. Fall, Spring. M&S fee $20.00

MUN 5716L CAH-MUSIC 1(0.2)
Jazz Chamber Group: PR: Audition, graduate standing or senior, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. Fall, Spring. 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. Fall.

MUO 3503L CAH-MUSIC 2(1.3)
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 6 times. Occasional. M&S fee $70.00

MUO 5505L CAH-MUSIC 2(1,0)
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. Occasional. M&S fee $70.00

MUT 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. Fall, Spring.

MUT 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 1010 CAH-MUSIC 3(3.0)
Music Theory I: PR: Junior or senior standing, and C.I. Studies in music theory, both written and aural skills, including musical analysis, basic composition, sight singing, ear training, and improvisation. Even Fall.

MUS 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.

MUS 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 Fall.

MUT 3622 CAH-MUSIC 3(3,0)
Analytical Approaches to Musical Rhythm: PR: MUT 2127 or equivalent. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm in dance, performance, and non-Western music. Occasional.

MUT 3923 CAH-MUSIC 3(3,0)
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: MUT 2126 or 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 and equivalent. Technical and analytic studies 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)

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)

MVB 1214 CAH-MUSIC 1(0,1)

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 II: 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. Fall, Spring.

MVB 2421 CAH-MUSIC 2(1,1)
Trumpet III: PR: MVB 1141 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 1142 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 1143 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 1144 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 1145 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)
Tuba III: PR: MVB 2425 and competence determined by faculty jury. Continuation of 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 3435 CAH-MUSIC 2-3(1,1)
Tuba IV: PR: MVB 3435 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 1214 CAH-MUSIC 0(0,1)
Jazz Guitar II: PR: MVJ 1213. Continuation of MVJ 1212. Scales, arpeggios, chord voicings and other techniques included in progressively advanced jazz guitar 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 1212. Scales, arpeggios, chord voicings and other techniques included in progressively advanced 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 I: 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. Scale studies, arpeggios, chord voicings, and other techniques included in progressively advanced jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3231 CAH-MUSIC 3(1,1)
Jazz Guitar III: PR: MVJ 2221. Scale studies, arpeggios, chord voicings, and other techniques included in progressively advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3232 CAH-MUSIC 3(1,1)
Jazz Bass III: PR: MVJ 2222. Continuation of MVJ 2222. 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 II: PR: MVJ 2223. Continuation of MVJ 2222. 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 3330. Continuation of MVJ 3329. 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 3333. Continuation of MVJ 3332. 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 3334. Continuation of MVJ 3333. 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 3338. Continuation of MVJ 3337. 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 5350C CAH-MUSIC 2(1,1) 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.

MVP 5950 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.

MVK 1111 CAH-MUSIC 1(0,2) Piano: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 1112 CAH-MUSIC 1(0,2) 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 1211 CAH-MUSIC 1(0,1) Piano: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 1411 CAH-MUSIC 2(1,1) Piano: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 1800 CAH-MUSIC 2(2,0) Keyboard Class I: PR: Consent of Music Chair. CR: Keyboard training for non-Music students with no prior keyboard training. Fall, Spring.

MVK 1801 CAH-MUSIC 2(0,2) Keyboard Class II: PR: MVK 1800. Continuation of Keyboard Class I. Occasional.

MVK 2121 CAH-MUSIC 1(0,2) Piano: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 2122 CAH-MUSIC 1(0,2) Piano: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 2421 CAH-MUSIC 2(1,1) Percussion: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.


MVK 3433 CAH-MUSIC 2-3(1,1) 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.

MVK 3434 CAH-MUSIC 2-3(1,1) 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.

MVK 3435 CAH-MUSIC 2-3(1,1) 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.

MVK 3436 CAH-MUSIC 2-3(1,1) 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.

MVK 5560 CAH-MUSIC 1(0,2) 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.

MVK 5620 CAH-MUSIC 1(0,2) Percussion: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.


MVW 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: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVP 2421 CAH-MUSIC 2(1,1) Percussion: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVP 2422 CAH-MUSIC 2(1,1) Percussion: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 1211 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 1212 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 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 1411 CAH-MUSIC 2(1,1) Violin: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC 2(1,1) Viola: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 2(1,1) Cello: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 2(1,1) Bass: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC 2(1,1) Harp: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 1416 CAH-MUSIC 2(1,1) Guitar: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 2(1,1) Viola: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1) Viola: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC 2(1,1) Cello: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC 2(1,1) Bass: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 2425 CAH-MUSIC 2(1,1) Harp: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 2426 CAH-MUSIC 2(1,1) Guitar: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC 2-3(1,1) Violin: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 3432 CAH-MUSIC 2-3(1,1) Violin: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 3433 CAH-MUSIC 2-3(1,1) Violin: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 3434 CAH-MUSIC 2-3(1,1) Violin: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVS 3435 CAH-MUSIC 2-3(1,1) Violin: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.
UCF Courses and Descriptions

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)
Voice IV: PR: MVS 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.

MVS 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.

MVS 4641 CAH-MUSIC 1(1,0)

MVS 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 3 times. 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.

MVW 1111 CAH-MUSIC 1(0,1)
Class Voice: Class instruction in beginning voice. May be repeated for credit. Fall, Spring.

MVW 1411 CAH-MUSIC 2(1,1)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1412 CAH-MUSIC 2(1,1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1413 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 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

MVW 1415 CAH-MUSIC 2(1,1)
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 2421 CAH-MUSIC 2(1,1)
Flute I: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. Fall, Spring.

MVW 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.

MVW 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.

MVW 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

MVW 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.

MVW 3431 CAH-MUSIC 2-3(1,1)
Flute III: PR: MVW 2421 and competence determined by faculty jury. Continuation 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.

MVW 3432 CAH-MUSIC 2-3(1,1)
Oboe III: PR: MVW 2422 and competence determined by faculty jury. Continuation 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.

MVW 3433 CAH-MUSIC 2-3(1,1)
Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continuation of 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.

MVW 3434 CAH-MUSIC 2-3(1,1)
Bassoon III: PR: MVW 2424 and competence determined by faculty jury. Continuation of 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.

MVW 3435 CAH-MUSIC 2-3(1,1)
Saxophone III: PR: MVW 2425 and competence determined by faculty jury. Continuation of 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.

MVW 3441 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.

MVW 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.

MVW 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.

MVW 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.

MVW 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.

MVW 5451 CAH-MUSIC 2(1,1)
Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5452 CAH-MUSIC 2(1,1)
Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5453 CAH-MUSIC 2(1,0)
Viola V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5454 CAH-MUSIC 2(1,0)
Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5455 CAH-MUSIC 2(1,0)
Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5456 CAH-MUSIC 2(1,0)
Viola Pedagogy: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in viola. Intended for non-major. Majors may be repeated for credit. Fall, Spring.

MVW 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.

MVW 1211 CAH-MUSIC 1(0,1)
Secondary Flute: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in flute. Intended for non-major. Majors may be repeated for credit. Fall, Spring.

MVW 1212 CAH-MUSIC 1(0,1)
Secondary Oboe: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in oboe. Intended for non-major. Majors may be repeated for credit. Fall, Spring.

MVW 1213 CAH-MUSIC 1(0,1)
Secondary Clarinet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in clarinet. Intended for non-major. Majors may be repeated for credit. Fall, Spring.

MVW 1214 CAH-MUSIC 1(0,1)
Secondary Bassoon: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bassoon. Intended for non-major. Majors may be repeated for credit. Fall, Spring.

MVW 1215 CAH-MUSIC 1(0,1)

MVW 1411 CAH-MUSIC 2(1,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1412 CAH-MUSIC 2(1,1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1413 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1414 CAH-MUSIC 2(1,1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1415 CAH-MUSIC 2(1,1)
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1440 CAH-MUSIC 2(1,1)
Flute IV: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. Fall, Spring.

MVW 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.

MVW 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.
Reasoning (Lab):
Practice program tracks or C.I. Concepts and skills of Admission to the M.S. in Nursing or Doctor of Nursing Advanced Health Assessment and Diagnostic NGR 5003 CON-NURS 2(2,0)
Saxophone V:
Bassoon V:
MVW 5453 CAH-MUSIC
Saxophone V:
Lab prerequisite to 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. 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
NUR 5090 CON-NURS 3(3,0)
NUR 5141 CON-NURS 3(3,0)
Pathophysiological Bases for Advanced Nursing Practice: PR: Admission to M.S. in Nursing or Doctor of Nursing Practice. 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.
NUR 5638 CON-NURS 3(3,0)
Health Promotion: PR: Admission to M.S. in Nursing or Doctor of Nursing Practice. 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.
NUR 5660 CON-NURS 3(3,0)
Disparities: Issues and Strategies: PR: Graduate status. Explores disparities in access, utilization, services, outcomes, and status for different U.S. populations. Covers research on disparities, and strategies to close the gaps. May be used in the degree program a maximum of 2 times. Occasional.
NUR 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.
NUR 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.
NUR 5745 CON-NURS 1(1,0)
Professional Obligations and Activities of Advanced Practice Nursing: PR: NUR 5863 and NUR 5980. 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.
NUR 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.
NUR 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.
NUR 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.
NUR 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. Examine legal of 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.
NUR 5891 CON-NURS 1(1,0)
Health Care Systems, Policy and Health Professionals: PR: Admission to the MS 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.
NUR 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.
NUR 5900 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.
NUR 4335 CON-NURS 3(3,0)
Nursing Care of the High-Risk Newborn: PR: Admission to BSN program and successful completion of NUR 3445 & NUR 3445L. Students. In depth study of pathophysiology, management and nursing care of high risk newborns, emphasizing care of the neonate and factors contributing to outcomes related to morbidity and mortality. Occasional.
NUR 4245 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.
NUR 4405 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.
NUR 4550 CON-NURS 3(3,0)
Family and Intercultural 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.
NUR 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.
NUR 4695 CON-NURS 3(3,0)
Forensic Nursing Principles and Practice: PR: NUR 3625 or NUR 3635 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 3635 and NUR 3635L. Apply nursing processes and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and practice to clients in long-term care. Fall.
NUR 3028L CON-NURS 1(0,1)
Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L. NUR 3635 and NUR 3635L. 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: PR: or 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)
Integrative 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 principles of care applications of the pathophysiological basis of illness. Fall, Spring.
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, Spring.
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; C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing and interpreting research. Fall, Spring.
NUR 3165H CON-NURS 3(3,0)
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 of the RN to BSN 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 Accredited 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 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, Spring.
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 3225L; NUR 3125; NUR 3145; 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 4942L CON-NURS 3(0,3) Nursing Practicum for International Students: PR: C.I. 3 credits of 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) Thesis or Project Works-Honors: 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 3490 OPT-OPT 3(3,0) Nanophotonics: PR: PHY 2040C or C.I. Optical/photonic properties of devices and interactions with elements of physics & engineering. Occasional.

OCE 4052 OPT-OPT 3(3,0) Introduction to Photonics: PR: EEL 3470. Properties of light as rays, waves, fields, and photons. Introduction to optical devices, fibers, and lasers. Applications in imaging, signal processing, sensing, communications, and displays. Fall.

OCE 4470 OPT-OPT 3(3,0) Optical Fiber Communication Systems: PR: EEE 3350 and OCE 4052. Introduction to the principles and design of optical fiber communication systems including the optoelectronic devices used in transmitters and receivers. Spring.

OCE 4830 OPT-OPT 3(3,0) Introduction to Imaging Systems: PR: EEL 3120C and OCE 4052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic and hyperspectral systems. Remote sensing and biological and medical applications. Spring.

OCE 5041 OPT-OPT 3(3,0) Introduction to Wave Optics: PR: EEL 4440 or PHY 4440 or C.I. Electronic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.


OCE 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.

OCE 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.

OCE 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 and related quantum well semiconductor devices. Fall.

OCE 5630C OPT-OPT 3(2,1) Thin Film Optics: PR: PHY 4424 or EEL 4440 or OCE 5041 or OCE 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: PAD 2041. 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 administrative development, processes, values, skills, and value framework to act ethically. Occasional.

PAD 3330 HPA-PUB 3(3,0) Urban and Regional Planning: PR: PAD 3003 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) American Humanics Human Service Organization: PR: ECO 2023. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interchange between social values, policies and administration. Fall, Spring.

PAD 4034 HPA-PUB 3(3,0) The Administration of Public Policy: PR: ECO 2023. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interchange between social values, policies and administration. Fall, Spring.

PAD 4104 HPA-PUB 3(3,0) Administrative Theory: 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 4110 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. Fall.

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) Non-Profit Organizations: PR: Junior standing and have declared Non-Profit Minor or Certificate or C.I. The operations of non profit organizations, including working with board of directors, volunteer services, fund-raising and grantmanship, 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 Pub Org: 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 analysts, 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 Non-Profit Organizations: PR: PAD 3003 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: PR: CR: PAD 3003 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: PR: PAD 3330. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4390 HPA-PUB 3(3,0) Hazard Mitigation and Preparedness: PR: or CR: PAD 4392. 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: PAD 3003 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: or CR: PAD 4392. 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.

PAD 4414 HPA-PUB 3(3,0) Public Personnel Administration: The history, operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. Fall, Spring.

PAD 4446 HPA-PUB 3(3,0) Multiculturalism in Public Administration: PR: PAD 3003 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. Occasional.

PAD 4461 HPA-PUB 3(3,0) Reengineering Government: PR: PAD 3303. Acquire undergraduate students with the latest thinking on improving the effectiveness and efficiency of public organizations via reengineering. Occasional.

PAD 4616 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. Occasional.
UCF Courses and Descriptions

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. Spring.

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. Fall, Spring.

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. Occasional.

PAD 4841 HPA-PUB  3-6(0,6)  Public Administration Internship: PR: C.J. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budgeting, and fiscal, procurement, and public safety. Graded S/U. Occasional.

PAD 4885 HPA-PUB  3(0,3)  American Humicomics Internship: PR: Enrollment in American Humicomics AH Certification Program, completion of AH restricted university electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humicomics certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. Fall, Spring.

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. Occasional.

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. Occasional.

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. Fall, Spring.


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. Fall.

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. Fall.

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. Spring.

PAD 5366 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. Spring.

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. Occasional.

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. Occasional.

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. Occasional.

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. Fall, Spring.

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. Fall.


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. Occasional.

PAZ 4234 COS-BIOL  3(3,0)  Zoo and Aquarium Management: PR: PCB 3045 and PCB 3063 or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PAZ 5235 COS-BIOL  3(3,0)  Zoo and Aquarium 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. Occasional.

PCB 3023 COS-BIOL  3(3,0)  Molecular Cell Biology: PR: BSC 2010C, CHM 2210, 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. Fall, Spring.

PCB 3024L COS-BIOL  2(0,8)  Molecular Cell Biology Laboratory: PR: or CR: PCB 3023. Critical thinking, technical skills, and integration of biochemical, molecular, and microscopic experimental approaches to understanding cell structure and function. Occasional.

PCB 3044 COS-BIOL  3(3,0)  Principles of Ecology: PR: BSC 2010C, BSC 2011C, and CHM 2045C, or C.I. Elements of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development. Fall.
Basic Volleyball and Softball: 2(1,1)

Country/Western Dance: 2(1,1)

Cardio Kickboxing: 2(1,1)

Pilates: 2(1,1)

Yoga: 3(1,3)

Personal Fitness: 3(2,1)

Body Development: 2(1,1)

Beginning Golf: 2(1,1)

Intermediate Bowling: PR: PEL 2111 or equivalent competency.

Intermediate Golf: PR: PEL 2121 or equivalent.

Beginning Tennis: Performance and application of basic rules, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

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.

Beginning Tennis: Performance and application of basic rules, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Intermediate Tennis: PR: PEL 2341 or equivalent.

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.

Yoga: Performance and application of a series of basic movements: 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. M&S fee $3.00

Beginning Golf: Performance and application of basic rules, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Basic Football and Basketball: 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.

Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional. M&S fee $6.00

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.

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.

Yoga: Performance and application of a series of basic movements: 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. M&S fee $3.00

Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional. M&S fee $3.00

Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring. M&S fee $5.00

Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional. M&S fee $3.00

Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretch-out, and cool-down. Occasional.

Step Aerobics: Appropriate rhythmic muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.
PET 3940 ED-CFCS 3(3,0)
Internship I Physical Education: PR: EDG 4323; CR: PET 3951. Supervised teaching in a physical education program under the supervision of a certified classroom teacher. Occasional.

PET 3941 ED-CFCS 6(0,16)

PET 4002 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.

PET 4050C ED-CFCS 3(2,1)
Motor Development and Learning: PR: PE Junior standing. 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 Fitness program. ZOO 3736C, PET 4320C, PET 4321C (all required); or C.I. An in-depth study into personal training and fitness related concepts. Spring.

PET 4088 ED-CFCS 3(3,0)
Physical Activity & Preventive Medicine: PR: ZOO 3736C or C.I. Critical thinking and analysis of evidence that exercise training can prevent some diseases and increase quality of life. Occasional.

PET 4215 ED-CFCS 3(3,0)
Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. 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: PET 2084, BSC 2010c. 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 4351C ED-CFCS 3(2,1)
Exercise Physiology: PR: PET 2084, BSC 2010c, and either PET 4320C or ZOO 3736C or ZOO 3735C. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to sport and exercise science. Fall, 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: PET 4351C. 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: BSC 2010c and PET 4351C. 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 4600 HPA-HP 3(3,0)
Applied Fitness in Sport: PR: ZOO 3736C or ZOO 3735C and PCB 3703C. Junior standing. Open to all COHPA majors. Appreciation and clinical application of fitness regarding athletics. Spring.
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 428C CAH-SVAD</td>
<td>Advanced Illustrative Photography</td>
<td>3(2,4)</td>
<td>PR: PGY 3205C or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. Occasional. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>PGY 4235C CAH-SVAD</td>
<td>Professional Photographic Workshop</td>
<td>3(2,4)</td>
<td>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&amp;S fee $45.00</td>
</tr>
<tr>
<td>PGY 4420C CAH-SVAD</td>
<td>Special Problems in Photography</td>
<td>3(2,3)</td>
<td>PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2410C, and a satisfactory portfolio review or C.I.; Or, admission to the Photography program. Designed for upper division art majors with photography concentration. A series of directed photographic problems of a research nature. Occasional. M&amp;S fee $20.00</td>
</tr>
<tr>
<td>PGY 4440C CAH-SVAD</td>
<td>Photographic Design</td>
<td>3(2,3)</td>
<td>PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2410C, and a satisfactory portfolio presentation. Occasional. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>PGY 4471C CAH-SVAD</td>
<td>Photographic Thesis</td>
<td>3(3,0)</td>
<td>PR: PGY 3276. The Professional Environment becomes a co-requisite. Course has been shifted from the senior fall semester to the senior spring semester. Optional. Portfolio review or C.I. or, admission to the Photography program designed for upper division art majors with photography concentration. A series of directed photographic problems of a research nature. Occasional. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>PGY 4493C CAH-SVAD</td>
<td>Photography and Art</td>
<td>3(2,4)</td>
<td>PR: PGY 4472C, 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&amp;S fee $45.00</td>
</tr>
<tr>
<td>PGY 5108C CAH-SVAD</td>
<td>Advanced Techniques and Concepts in Photography</td>
<td>3(3,0)</td>
<td>PR: PGY 3410C and PGY 4493C. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 2 times. Occasional. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>PHH 3041 CAH-PHIL</td>
<td>Russian Philosophy</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PHH 3010 CAH-PHIL</td>
<td>Ancient Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHH 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.</td>
</tr>
<tr>
<td>PHH 3200 CAH-PHIL</td>
<td>Medieval Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHH 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.</td>
</tr>
<tr>
<td>PHH 3460 CAH-PHIL</td>
<td>Modern Western Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHH 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.</td>
</tr>
<tr>
<td>PHH 3510 CAH-PHIL</td>
<td>Marx and Nietzsche</td>
<td>3(3,0)</td>
<td>PR: Junior standing. The philosophy of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting standpoint for understanding human life, the philosophical and ideological influences of their work, and their contemporary relevance. Occasional.</td>
</tr>
<tr>
<td>PHH 3600 CAH-PHIL</td>
<td>Contemporary Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHH 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis and Nietzsche, structuralism, post-structuralism, and libertarian philosophies. Occasional.</td>
</tr>
<tr>
<td>PHH 3700 CAH-PHIL</td>
<td>American Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHH 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.</td>
</tr>
<tr>
<td>PHH 3701 CAH-PHIL</td>
<td>Native American Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHH 2010 or C.I. Academic Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.</td>
</tr>
<tr>
<td>PHH 2010 CAH-PHIL</td>
<td>Introduction to Philosophy</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors. Same as PHH 2010 with honors-level content. Fall.</td>
</tr>
<tr>
<td>PHH 2101 CAH-PHIL</td>
<td>Formal Logic I</td>
<td>3(3,0)</td>
<td>PR: PHH 2010. A study of sentence and predicate logic, with introduction to modal, epistemic, deontic, multi-valued, and indeterministic logics. Occasional.</td>
</tr>
<tr>
<td>PHH 2108 CAH-PHIL</td>
<td>Critical Thinking</td>
<td>3(3,0)</td>
<td>PR: PHH 2500 or PHH 2600. The logic of conversation, informal fallacies, and reasoning about human action. Occasional.</td>
</tr>
<tr>
<td>PHH 2630 CAH-PHIL</td>
<td>Ethics: An examination of the nature of moral problems</td>
<td>3(3,0)</td>
<td>PR: PHH 2010 or C.I. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.</td>
</tr>
<tr>
<td>PHH 2647 CAH-PHIL</td>
<td>Logic and Ethics</td>
<td>3(3,0)</td>
<td>PR: PHH 2010 or C.I. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.</td>
</tr>
<tr>
<td>PHH 3033 CAH-PHIL</td>
<td>Philosophy, Religion, and the Environment</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>PHH 3083 CAH-PHIL</td>
<td>Research Methods in Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHH 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.</td>
</tr>
<tr>
<td>PHH 3131 CAH-PHIL</td>
<td>Formal Logic II</td>
<td>3(3,0)</td>
<td>PR: PHH 2010. Systematic study of propositional and first-order predicate logic; logical systems and axiomatic methods; problems of metaphysics, including consistency, completeness, and decidability. Occasional.</td>
</tr>
<tr>
<td>PHH 3320 CAH-PHIL</td>
<td>Philosophy of Mind</td>
<td>3(3,0)</td>
<td>PR: PHH 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.</td>
</tr>
<tr>
<td>PHH 3323 CAH-PHIL</td>
<td>Minds and Machines: Philosophy of Cognitive Science</td>
<td>3(3,0)</td>
<td>PR: PHH 2010 or C.I. Philosophical assumptions and foundations of major psychological and philosophical reasoning. Occasional.</td>
</tr>
<tr>
<td>PHH 3451 CAH-PHIL</td>
<td>Philosophy of Psychology</td>
<td>3(3,0)</td>
<td>PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological and philosophical reasoning. Occasional.</td>
</tr>
<tr>
<td>PHH 3601 CAH-PHIL</td>
<td>Practical Wisdom</td>
<td>3(1,0)</td>
<td>PR: PGY 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.</td>
</tr>
<tr>
<td>PHH 3625 CAH-PHIL</td>
<td>Virtual Ethics</td>
<td>3(3,0)</td>
<td>PR: PHH 2010 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.</td>
</tr>
<tr>
<td>PHH 3626 CAH-PHIL</td>
<td>Advancement in Ethics and Science and Technology</td>
<td>3(3,0)</td>
<td>PR: PHH 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.</td>
</tr>
<tr>
<td>PHH 3638 CAH-PHIL</td>
<td>Ethical Implications of the Human Genome Project</td>
<td>3(3,0)</td>
<td>PR: PHH 2010 or C.I. Applications of ethical theory and moral problem-solving to contemporary issues. Occasional.</td>
</tr>
<tr>
<td>PHH 3640 CAH-PHIL</td>
<td>Environmental Ethics</td>
<td>3(3,0)</td>
<td>PR: PHH 2010 or C.I. Applications of ethical theory and moral problem-solving to contemporary issues. Occasional.</td>
</tr>
<tr>
<td>PHH 3648 CAH-PHIL</td>
<td>Ethical Implications of the Human Genome Project</td>
<td>3(3,0)</td>
<td>PR: PHH 2010 or C.I. Applications of ethical theory and moral problem-solving to contemporary issues. Occasional.</td>
</tr>
<tr>
<td>PHH 3670 CAH-PHIL</td>
<td>Animal Ethics</td>
<td>3(3,0)</td>
<td>PR: PHH 2010 or C.I. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.</td>
</tr>
<tr>
<td>PHH 3683 CAH-PHIL</td>
<td>Philosophy of Friendship</td>
<td>3(3,0)</td>
<td>PR: PHH 2010 or C.I. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.</td>
</tr>
<tr>
<td>PHH 3684 CAH-PHIL</td>
<td>Ways of Living</td>
<td>3(3,0)</td>
<td>PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of the &quot;good life.&quot; Occasional.</td>
</tr>
<tr>
<td>PHH 3700 CAH-PHIL</td>
<td>Philosophy of Religion</td>
<td>3(3,0)</td>
<td>PR: PHH 2010 or C.I. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.</td>
</tr>
</tbody>
</table>
PH 4782 CAH-PHIL 3(3,0)
Phenomenology: PR: Junior standing and three
philosophy courses. Philosophy of developing, implementing, and

PHT 3069 HPA-HP 1(1,0)
Physical Assessment: CR: PHT 3069L. Extensive
test and practice in the examination of the patient.
Incorporating a clinical approach, utilizing screening and

PHT 3069L HPA-HP 2(0,4)
Physical Assessment Lab: PR: PHT 3069. Lab class 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 and lower extremities. Regional cadaver dissection. Occasional.

PHT 3112L HPA-HP 3(0,6)

PHT 3113 HPA-HP 2(2,0)
Gross Anatomy/Neuroscience II: CR: PHT 3112; 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/Neuroscienece 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 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 3155L. Lab course emphasizing the clinical application of exercise physiology. Occasional.

PHT 3259 HPA-HP 2(2,0)

PHT 3259L HPA-HP 1(0,2)
Patient Care Skills Lab: CR: PHT 3259L. Lab course covering basic skills of patient care; transfers, mobility skills, draping, gait training. Occasional.

PHT 3602 HPA-HP 2(2,0)

PHT 4119C HPA-HP 4(3,2)

PHT 4222 HPA-HP 2(2,0)

PHT 4222L HPA-HP 1(0,2)
Therapeutic Exercise I Lab: CR: PHT 4222L. 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)

PHT 4307 HPA-HP 3(3,0)
Pathology/Pharmacology: CR: PHT 3113. Organized seminars on the pathophysiology and clinical manifestations of various medical conditions as they relate to management in physical therapy practice. Occasional.

PHT 4308 HPA-HP 2(2,0)
Medical Science and Pharmacology II: The impact of medication on patients with musculoskeletal disorders; drugs used in their management. Relates neuropathology and orthopedic pathology to the study of movement. Occasional.

PHT 4610 HPA-HP 3(2,3)

PHT 5003 HPA-HP 2(2,0)

PHT 5005 HPA-HP 2(2,0)

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(0,2)
Clinical Kinesiology Lab: CR: PHT 5125. Concerned with the evaluation and practical application of aspects of human movement, joint mechanics of the upper and lower extremity, vertebral column and soft tissues. 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: CR: 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)

PHT 5240L HPA-HP 1(0,1)
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)

PHT 5241L HPA-HP 2(0,4)
Therapeutic Exercise I Lab: 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 2(2,0)
Patient Care Skills Lab: CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills. Fall. M&S fee $30.00

PHT 5718 HPA-HP 2(2,0)

PHT 5718L HPA-HP 1(0,2)

PHY 2049C COS-PHYS 3(2,2)
Physics for Engineers & Scientists I: PR: MAC 2311 or equivalent. Mechanics, Thermodynamics, fluids, Fall, Spring. M&S fee $15.00

PHY 2048C COS-PHYS 4(3,3)
Physics for Engineers & Scientists I: PR: MAC 2311 or equivalent. 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: Permission of Honors and MAC 2311 or equivalent. Same as PHY 2048C with honors-level content. Fall, Spring.

PHY 2049C COS-PHYS 4(3,3)
Physics for Engineers & Scientists II: PR: MAC 2312 and PHY 2049C or PHY 2049H. 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: Permission of Honors and PHY 2049C, MAC 2312. 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 1114 or equivalent or C.I. Mechanics, waves, thermodynamics. Fall, Spring. M&S fee $15.00

PHY 2053H COS-PHYS 4(3,3)
Honors College Physics I: PR: MAC 1105C and MAC 1114 or C.I. 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, radiocracy. Fall, Spring. M&S fee $15.00

PHY 2054H COS-PHYS 4(3,3)
PLA 3014 HPA-LS 3(3,0)
Law and the Legal System: 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 3018 HPA-LS 3(3,0)
Legal Research: PR: 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.

PLA 3115 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 3106. Fall, Spring.

PLA 3205 HPA-LS 3(3,0)
Civil Practice and Procedure: PR: 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 3205H HPA-LS 3(3,0)
Civil practice and Procedure - Honors: PR: Permission of Honors and PLA 3014 or C.I. Same as PLA 3205 with honors level content. Occasional.

PLA 3277 HPA-LS 3(3,0)
The Law of Torts: PR: PLA 3014 or C.I. Theories governing civil injuries not arising from criminal acts, obligations; systems and procedures used in preparation, trial and appeal of Torts cases. Fall, Spring.

PLA 3306 HPA-LS 3(3,0)
Criminal Law: 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: PLA 3014 or C.I. 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: PLA 3014. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.

PLA 4200 HPA-LS 3(3,0)
Law and Society: 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 4226 HPA-LS 3(3,0)
Advanced Trial Advocacy: PR: PLA 4910 or C.I. Litigation and trial 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)

PLA 4263 HPA-LS 3(3,0)
Evidence: PR: PLA 3014 and 3201 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 4242 HPA-LS 3(3,0)
The Law of Contracts: 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: 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: 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: 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: PLA 3014 or PAD 3003. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4530 HPA-LS 3(3,0)
Legal Issues of the Elderly: PR: PLA 3014. 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: PLA 3014 and PLA 4485 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 4830 HPA-LS 3(3.0) World Legal Systems: PR: PLA 3014 or equivalent. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.


PLA 4910 HPA-LS 3(3.0) Trial Advocacy: PR: PLA 3014, 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) Caspstone: 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. 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.

POR 3140 CAH-LANG 3(3.0) Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Development of Portuguese language skills: reading, writing, listening, and speaking. Fall, Spring.

POR 3140 CAH-LANG 3(3.0) Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Development of Portuguese language skills: reading, writing, listening, and speaking. Fall, Spring.

POR 3140 CAH-LANG 3(3.0) Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Development of Portuguese language skills: reading, writing, listening, and speaking. Fall, Spring.


POS 3122H COS-POLS 3(3.0) Honors State Government and Public Policy: PR: POS 2401 or C.I. and permission of Honors. A comparative study of 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 2401 or C.I. Study of southern politics past and present. Emphasis on factors effecting changes in the region. Southern and national relationship examined. Occasional.

POS 3182 COS-POLS 3(3.0) Florida Politics: PR: POS 2401 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.


POS 3223 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 2401 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 3245 COS-POLS 3(3.0) Mass Media and Politics: PR: POS 2401 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.

POS 325H COS-POLS 3(3.0) Honors Mass Media and Politics: PR: POS 2401 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: 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: POS 2401 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: 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: POS 2401 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 2401 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, and legislating processes. Fall.

POS 3443 COS-POLS 3(3.0) Political Parties and Processes: PR: POS 2401 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reform, legislative and executive roles. Occasional.

POS 3463 COS-POLS 3(3.0) Interest Groups: PR: POS 2401 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 3703 COS-POLS 3(3.0) Scope and Methods of Political Science: PR: Junior standing or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. Fall, 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 4074 COS-POLS 3(3.0) Latino Politics: PR: POS 2401 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. Odd Fall.

POS 4142 COS-POLS 3(3.0) Metropolitan Politics: 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 2401 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: 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 4246 COS-POLS 3(3.0) Political Socialization: PR: POS 2401 or C.I. Analysis of recruitment and socialization processes. Identification of the agents and processes of political socialization in national and cross-cultural contexts. Occasional.

POS 4284 COS-POLS 3(3.0) Judicial Process and Politics: Study of the formal and informal judicial process. Legal culture, bureaucratic role, judicial recruitment and outputs, comparative judicial behavior. Fall, Odd Spring.

POS 4412 COS-POLS 3(3.0) Presidential Campaigning: PR: C.I. 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: PR: POS 2401 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: POS 2401 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

POS 4622 COS-POLS 3(3.0) Political and Civil Rights: PR: Junior standing or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. Occasional.

PSY 4025 COS-PSYCH 3(3.0)
The Psychology of Art: PR: PSY 2012, and ARH 2050 or ARH 2051. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.

PSY 4215C COS-PSYCH 4(3.2)
Advanced Research Methods in Psychology: PR: PSY 2120C. 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 4305C COS-PSYCH 3(1.4)

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)

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 the development of 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.

PUP 3014 COS-POLS 3(3.0)
Comparative Public Policy: PR: POS 2041 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: 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 3314 COS-POLS 3(3.0)
Minorities in American Politics: 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 C.I. Women’s role in the political process, emphasizing women in the governmental and policy process. Odd Fall.

PUP 3508 COS-POLS 3(3.0)
Space Studies: PR: Junior standing or C.I. Multidisciplinary overview of space studies, providing familiarity with some technical aspects as well as the relationship between technical and public policy considerations. 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 4204 COS-POLS 3(3.0)
Sustainability: PR: POS 2041 or C.I. Environmental politics through the lens of “sustainability.” Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 4209 COS-POLS 3(3.0)

PUP 4323 COS-POLS 3(3.0)
Women and Public Policy: PR: POS 2041 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: C.I. Examination of the 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: 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: C.I. 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: Junior standing or C.I. 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: 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.

PUP 5004 COS-COMM 3(3.0)
Public Relations: PR: C.I. Public relations principles and techniques, research tools, publicity and management. Fall, Spring.

PUP 5000 COS-POLS 3(3.0)
Public Relations: PR: POS 1000 or POS 1500 or POS 2000 or POS 3000. Principles and practice of Public Relations including techniques, research tools, publicity and management. Fall, Spring.

PUP 5000H COS-COMM 3(3.0)
Honors Public Relations: PR: C.I. Public relations principles and techniques, research tools, publicity and management. Occasional.

PUP 5410C COS-POLS 3(1.3)
Public Relations: PR: ENC 2210 or PUR 3100 or JOU 2100 or ENC 3250. Basic principles and techniques of desktop production of public relations publications. Fall, Spring.

PUP 4203 COS-POLS 3(3.0)
PR/Advertising Ethics and Law: PR: Ad-PR majors only and ADV 3000. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. Occasional.

PUP 4400 COS-POLS 3(3.0)
Crisis Communication: PR: POS 1000 or POS 1500. The theory, process, and best practices of crisis communication. Occasional.

PUP 4801 COS-POLS 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.

RAT 3001 HPA-HP 3(3.0)

RAT 3241 HPA-HP 3(3.0)

RAT 3342 HPA-HP 2(2.0)
Oncologic Pathology: PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment. Occasional.

RAT 3614 HPA-HP 2(2.0)

RAT 4247 HPA-HP 3(3.0)
Radiation Oncology I: Methods of radiation therapy treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. Occasional.

RAT 4248 HPA-HP 3(3.0)
Radiation Oncology II: Methods of treatment of malignant conditions of the nervous system, eye, reproductive system, urinary system, connective tissue, and lymphoreticular system. Occasional.

RAT 4618C HPA-HP 4(3.3)
Radiation Therapy Physics II: PR: RAT 3614. Study of radiation protection techniques, design considerations, modes and characteristics of decay, handling of radionuclides and clinical dosimetry. Occasional.

RAT 4619C HPA-HP 4(3.3)
Radiation Therapy Physics III: PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. Occasional.

RAT 4804L HPA-HP 5(0.20)

RAT 4814L HPA-HP 6(0.24)

RAT 4824L HPA-HP 6(0.24)
UCF Courses and Descriptions

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 promoting 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; OR: EEC 3490. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. Fall.


RED 4942  ED-TL&L  3(3,0)  Practicum for Assessment and Instruction of Reading: PR: RED 4519. Corequisite: Internship I. Practicum, which 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: EDC 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 effective 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. Emphasis on the real estate profession. Introduction to real estate fundamentals, marketing, and decision-making. 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 who require this course. Political, cultural, institutional, and scientific mechanisms which shape environmental policy. The effects of hazards, 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: application of principles 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 who 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 who require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.

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: FIN 3403 and REE 3433, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Covers 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 3111  CAH-PHIL  3(3,0)  Religion and Philosophy Through Film: PR: ENG 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 3115  CAH-PHIL  3(3,0)  Religion, Spirituality, and Popular Music: PR: REL 2300 or REL 2300. Contemporary spiritual sensibilities encountered at the intersection of religion, philosophy, and popular music. Odd Fall.


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 3342  CAH-PHIL  3(3,0)  Roots of Western Mysticism: PR: HUM 3431, HUM 3552, HUM 3553, HUM 4303, HUM 4554, PHI 3100, or PHI 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 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 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 Religion Studies track major. Capstone course on research, developing effective oral and written communication skills. Occasional.

RET 3026C  HPA-HP  3(3,0)  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  3(3,0)  Respiratory 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 Care Clinical Assessment: PR: RET 3026C or C.I. Demonstration of physical assessment techniques, critical thinking, chest radiography and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. Spring.


RET 3717C  HPA-HP  3(0,16)  Pediatric Respiratory Care: PR: RET 3026C. The study of child respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. Spring.


RET 3885L  HPA-HP  8(0,24)  Clinical Practice II: PR: C.I. Patient care with advanced respiratory equipment. Tracheostomy care. Introduction to cardipulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment. Fall.


RET 4287  HPA-HP  3(3,0)  Cardiopulmonary Diagnostics I: PR: RET 4246. Non-invasive cardiac diagnostics, including echocardiogra- phy, 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, strep-to-kinase use, and heart surgery. Spring.

Advanced Cardiac Ultrasound: PR: RET 4287 or C.I. Study of advanced applications of ultrasound in the diagnosis of cardiac abnormalities. Two-dimensional echo, conventional doppler, and color doppler covered. Occasional.

Pulmonary Function Studies: PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. Occasional.

Chest Medicine: PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. Spring.

Cardiopulmonary Rehabilitation: PR: RET 3026C & RET 3494C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. Spring.


Selected Topics in Respiratory Therapy: PR: C.J. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. Spring.

Research Methods in Cardiopulmonary Physiology: Introduction to methods used in scientific and medical research in cardiopulmonary physiology. Literature review, experimentation, and data analysis. Occasional.

Principles of Risk and Insurance: PR: FIN 3400C. Emphasis is on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. Spring.

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.

Introduction to Patient Care: PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiography. Fall.

Advanced Patient Care: PR: RTE 3111C or C.J. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, pediatrics and interventional procedures. Spring.

Medical Physics: PR: RTV 3694C or C.J. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. Occasional.

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.

Principles of Radiographic Exposure II: PR: RTE 3515C or C.J. Study of technical and photographic processing variables influencing conventional, radiographic and digital image quality. Spring.

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.

Radiographic Procedures II: PR: RTE 3503C or C.J. Continuation of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the chest, abdomen, routine contrast studies, and the upper extremity. Fall.

Physics of Image Production: PR: College Physics II. Principles of diagnostic imaging, including radiodensity, physical principles of generator operation, and characteristics of electromagnetic radiation. Fall.

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.

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.

Methods in Radiology Management: Concepts of radiology, department management, including principles, personnel management, evaluation and improvement techniques, budgeting, financial considerations and legal aspects, and JCAH quality assurance specifications. Occasional.

Leadership in Radiological Sciences: PR: Senior level status in Radiologic Sciences program or C.I. A study of the theories, principles and skills needed to function in a leadership position in Radiological Sciences. Spring.

Radiological Administrative Practice: A directed practice in the management of a radiology department, with application of theory and methodology. Occasional.

Radiobiology: Exploration of the effects of ionizing radiation on biological systems. The responses at the cellular and total organism level are investigated. Fall.

Quality Improvement: PR: Registered technologist or Senior standing. The study of quality improvement and quality control from the perspective of radiology services. Spring.

Special Radiographic Procedures: PR: RTE 3515C or C.J. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. Occasional.

Advanced Imaging Modalities: PR: RTE 3503 or C.J. A study of the physical principles and applications of computed tomography, digital imaging, interventional radiography, mammography, ultrasound, magnetic resonance imaging, and nuclear medicine. Fall.

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.

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.


Clinical Education I: PR: RTE 3814L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the pelvis, bony thorax, vertebral column and mobile radiography. Occasional.

Clinical Education IV: PR: RTE 4282L. Supervised clinical practice in radiographic/fluoroscopic procedures, mobile radiography and rotations through specialized imaging. Spring.

Clinical Education V-B: PR: RTE 4845L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranial, facial bones, sinuses and special procedures. Spring.

Directed Study in Radiologic Education: PR: RTE 4845L 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.

Directed Study in Radiologic Education: PR: RTE 3371 or EGO 4322 or C.I. Directed activity in classroom instruction in radiologic technology. Occasional.


Designing and Structuring of Electronic Media and New Technology: PR: SPC 1608 or C.J. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. Fall, Spring.


Audio Production I: PR: RTV 3210C 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 $30.00
RTV 3223C COS-COMM 3(2,1) Lighting for Video: PR: RTV 3228C or RTV 3260C, and RTV Major - Production Specialization. Basics of studio techniques for both studio and location, and single and multicamera 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 3201 and RTV major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, graphic artwork, video switches, and electronic graphics. Students should expect significant work in the RTV facility outside of class. Odd Fall, Even 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 an interpersonal communication role, auditioning, performance in scenes and commercials. Expect extensive studio work in the RTV facility outside the class. Occasional. M&S fee $15.00

RTV 3260C COS-COMM 4(3,1) Single Camera Video Production and Editing: PR: 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 $30.00

RTV 3263C COS-COMM 3(2,1) Advanced Video Post-Production: PR: RTV 3260C - 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, Organization of Communication, Production and production of electronic interactive multimedia for the broadcast industry. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $15.00

RTV 3301 COS-COMM 3(3,0) Electronic Journalism I: PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering skills 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.

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. Even 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 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 newswriting 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 $15.00

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: or CR. RTV 3007. 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: SPC 1608 or COM 1000 or 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. Occasional.

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 Majors only, 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. Odd Spring.

RUS 1120 CAH-LANG 4(4,1) Elementary Russian Language and Civilization I: Introductory course to Russian language skills: listening, speaking, reading, and writing. Open only to students with no experience in the language. 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 Civilization: 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 dictation and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. 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 3314 HPA-CJ 3(3,0) Physical Security: PR: C.I. major or minor or C.I. CCJ 3024. Concepts and procedures for the development, implementation, and management of a physical security program and its application to assets protection. Occasional.

SCC 3316 HPA-CJ 3(3,0) Special Security Problems: 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. Selected concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring. M&S fee $10.00

SCE 4304 ED-CFC5 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(3,2) Science Instructional Analysis: PR: EDG 4323 or C.I. Course objectives for a science 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 6236 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary learning, 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 6236 or C.I. Secondary science special methods course is designed to develop 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: C.I. Course objectives include an introduction to space and physical science, manned space flight, and space education curriculum. Occasional.
SLS 1501 ED-TTL 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 2261C ED-TTL 2(2,1)
Student Organization Leadership: Application of leadership and organizational development paradigms, theories, and approaches for emerging and established student leaders. Occasional.

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-TTL 2(2,1)
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-PSCY 3(3,0)

SOP 3004C COS-PSCY 3(3,2)

SOP 3723 COS-PSCY 3(3,0)

SOP 3724 COS-PSCY 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-PSCY 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-PSCY 3(3,0)
Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000; PFE 3003C or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Fall.

SOP 3782 COS-PSCY 3(3,0)

SOP 5059 COS-PSCY 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)

SOW 3111 HPA-SOWK 3(3,0)
SOW 5537 HPA-SOWK 3(3,0) Nonprofit Resource Development: PR: Admission to MSW program. Real-world development in nonprofits, 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 standard measurement 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 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: 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 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: PR: Admission to MSW program. CR: Generalist Field Education I. Continuation of generalist field education integrative seminar I: PR: SOW 5305. 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 5556 HPA-SOWK 2(2,0) Part-Time MSW Generalist Field Education and Seminar I: PR: SOW 5505; 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 5624 HPA-SOWK 3(3,0) Social Work Practice in Mexican Culture: PR: C. 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.
SPA 4948 HPA-COM SC&DIS 3(0,3)
Community Internship: PR: SPA 4400 or SPA 4476 and seals 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 and Communicative Diversity and Differences: PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals, with concepts and differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-Ameron cultures. Occasional.

SPA 5554 HPA-COM SC&DIS 3(3,0)
Counseling in Communicative Disorders: PR: Senior Status or C.J. 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.J. Study of the changes in communication with normal aging, focusing on assessment and management of older individuals with communication disorders. Occasional.

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)

SPB 3603 BA-BUS 3(3,0)

SPB 3823 BA-BUS 3(3,0)
The Role of Business Entrepreneurship in Sports/Entertainment: PR: SPB 3003, and either FIN 2100 and MAR 3023 or admission to a business major. Analysis of the structure, evolution and governance of professional and Olympic sport management and a framework for sound business decision making. Occasional.

SPB 4204 BA-BUS 3(3,0)
Sports Event and Facility Management: PR: SPB 3003, and either FIN 2100 and MAR 3023 or admission to a business major. Principles of facility and event management in professional and collegiate sports. Occasional.

SPB 4404 BA-BUS 3(3,0)

SPB 4704 BA-BUS 3(3,0)
Sport Business Strategy: PR: SPB 3003. 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, and either FIN 2100 and MAR 3023 or admission to a business major. The structure and evolution of the interrelationship between sport and media and their business implications. Occasional.

SPC 1603 COS-COAM 3(3,0)
Fundamentals of Technical Presentations: PR: Permission of Honors. The process of developing and delivering technical presentations. Emphasis on rhetoric, audience analysis, and visual aids. Fall, Spring.

SPC 1603H COS-COAM 3(3,0)
Honors Fundamentals of Technical Presentations: PR: Permission of Honors. The process of developing and delivering technical presentations. Emphasis on rhetoric, audience analysis, and visual aids. Fall, Spring.

SPC 1608 COS-COAM 3(3,0)
Fundamentals of Oral Communication: PR: Priority will be given to students whose major requires this course. Emphasis on public speaking and delivering speeches. Fall, Spring.

SPC 1608H COS-COAM 3(3,0)
Honors Fundamentals of Oral Communication: PR: Senior status or admission to a business major. Emphasis on public speaking and delivering speeches. Fall, Spring.

SPC 2942 COS-COAM 1-3(1,0-3)
Debate Practicum: PR: Permission of Honors. Training and participation in intercollegiate debate. May be used in the degree program a maximum of 3 times. Occasional.

SPC 3301 COS-COAM 3(3,0)
Interpersonal Communication: PR: or CR: COM 3311, or C.J. Nature of communication process; variables affecting the process and the individuals involved. Analysis of communication models, nonverbal behavior, and verbal messages. Fall, Spring.

SPC 3425C COS-COAM 2(2,1)

SPC 3513 COS-COAM 3(3,0)

SPC 3513H COS-COAM 3(3,0)

SPC 3602 COS-COAM 3(3,0)

SPC 4331 COS-COAM 3(3,0)
Nonverbal Communication: PR: or CR: COM 3311, or C.J. Review of current research in nonverbal communication. Fall, Spring.

SPC 4426 COS-COAM 3(3,0)
Group Dynamics: PR: or CR: COM 3311, or C.J. Human behavior in group situations. Fall, Even Spring.

SPC 4540 COS-COAM 3(3,0)
Attitudes and Communication: PR: or CR: COM 3311, or C.J. A survey of the immediate and direct ways in which persuasive communications and social groups come to influence attitudes. Fall, Spring.

SPM 3130 ED-CFCFS 3(3,0)
Aquatic Management: PR: Admission to B.S. in Sports and Fitness program or C.J. Requisite knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204 ED-CFCFS 3(3,0)
Sports and Ethics: PR: Junior standing or C.J. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3415 ED-CFCFS 3(3,0)
Public Relations in Sport and Exercise Science: PR: C.J. Fall, Spring.

SPM 3504 ED-CFCFS 3(3,0)

SPM 4723 ED-CFCFS 3(3,0)
Legal Issues in Sport and Exercise Science: PR: PET 2B04. Examination of the legal issues and problems encountered by sport and exercise science professionals. Fall, Spring.

SPM 5155 ED-CFCFS 3(3,0)
Introduction to Sports Administration: PR: C.J. This course will provide an overview of the sports industry. Fall, Spring.

SPM 5308 ED-CFCFS 3(3,0)
Marketing and Promoting Sports and Fitness Programs: PR: C.J. Introduces students to all aspects of sports marketing including planning, organizing, marketing, conducting special events. Fall, Spring.

SPS 5506 ED-CFCFS 3(3,0)

SPP 1120C CAH-LANG 4(3,1)
Elementary Spanish Language and Civilization I: PR: Spanish. For students with little or no background in this language. Fall, Spring.

SPP 1120H 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, writing. Fall, Spring.

SPP 1121C CAH-LANG 4(3,1)
Elementary Spanish Language and Civilization II: C.J. Requisite knowledge for developing and operating aquatics programs safely and effectively. Continuation of SPP 1120C. Fall, Spring.

SPP 1121H CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization II: PR: Permission of Honors and SPP 1120H or equivalent. Same as SPP 1121H with honors-level content. Fall, Spring.

SPP 1150C CAH-LANG 4(4,4)
Intensive Beginning Spanish: Combines SPP 1120C and SPP 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. Fall, Spring.
explore the universality of Spanish literature. English translations of Spanish and Latin American Nobel-standing or C.I. Students will analyze, discuss and research their aesthetic value, but also in terms of their historical and the 20th century. Texts selected are studied not only for techniques, procedures, and literary theories. May be repeated practice in Spanish. Short scenes will be performed in class.

PR: SPW 3100 or C.I. A study of the generation’s main authors and their works. Occasional.

PR: SPW 3101 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.

PR: SPW 3101 or C.I. A study of representative contemporary works of authors who have included the black character as part of their narrative. Occasional.

PR: SPW 3100 and SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.


PR: SPW 3100 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

PR: SPW 3100 or SPW 3101 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.

PR: SPW 3100 or SPW 3101 or SPW 3131 or SPW 3370 or C.I. 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.
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SYA 4450 COS-SOC 4(3,2) Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced research design and analytical skills. Emphasis on social data analysis, interpretation, integration, presentation, and report writing. Fall.


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.

SYA 5652 COS-SOC 3(3,0) Advanced Population: PR: Graduate standing or C.I. Examines the theories, methods, and information utilized by demographers and focuses on techniques of application of those skills. Occasional.


SYD 3700 COS-SOC 3(3,0) Race and Ethnicity: PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.


SYD 3751 COS-SOC 3(3,0) North American Indian Women Today: PR: 2000 level social science course or C.I. Examination of works of modern North American Indian women within context of Native American culture. Issues include myths, gender roles, coerced sterilization, child welfare, and economic opportunities. Occasional.

SYD 3752 COS-SOC 3(3,0) Modern Law in Indian Country: PR: 2000 level social science course or C.I. Examination of impact of unique legal relationship between American Indian governments and state federal governments. Legal issues include criminal justice, child welfare, and land ownership. Occasional.

SYD 3800 COS-SOC 3(3,0) Sex and Gender in Society: PR: SYG 2000 or C.I. The traditional and changing roles of women and men viewed in a sociological perspective. Fall, Spring.


SYD 4510 COS-SOC 3(3,0) Environment and Society: PR: SYG 2000 or C.I. The relationship between the environment and society. Fall.

SYD 4514 COS-SOC 3(3,0) Environmental Movement: PR: SYG 2000 or SYG 2010 or C.I. Origins, evolution, current status and societal impacts of the environmental movement via sociological theory, concepts and research on social movements. 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 2000H COS-SOC 3(3,0) General Sociology: PR: Permission of Honors. Emphasis on works 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: PR: SYG 2000. Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. Fall, Spring.

SYG 3949 COS-SOC 0(0,8) Cooperative Education in Sociology: PR: Departmental permission required before registering. Cooperative education experience in sociology. Graded SU. May be repeated for credit. Occasional.

SYO 3000 COS-SOC 3(3,0) Contemporary Society: PR: SYG 2000 or SYG 2010 or C.I. Exploration of a contemporary society. Fall, Spring.

SYO 3300 COS-SOC 3(3,0) Social Organization and Human Relations: PR: SYG 2000 or SYG 2010 or C.I. An analysis of the emerging social order in society and the traditional roles of the family, work, and organizations. Occasional.

SYO 3410 COS-SOC 3(3,0) Patterns of Mental Health in Society: PR: SYG 2000 or SYG 2010 or C.I. A sociological examination of mental health, social problems, and social systems. Fall, Spring.

SYO 3510 COS-SOC 3(3,0) Sociology of Murder: PR: SYG 2000 or SYG 2010 or C.I. An analytical study of murder in the U.S.; topics include the types of murder and the various methods of dealing with it. Occasional.

SYO 3520 COS-SOC 3(3,0) Criminology: PR: SYG 2000 or SYG 2010 or C.I. An in-depth study of the various types of crime and their causes and effects. Fall, Spring.

SYO 3530 COS-SOC 3(3,0) Juvenile Delinquency: PR: SYG 2000 or SYG 2010 or C.I. The causes of delinquency and the current methods of dealing with it. Fall, Spring.

SYO 3540 COS-SOC 3(3,0) Sociology of Law: PR: SYG 2000 or SYG 2010 or C.I. The relationship between law and society, including the functions of law and its organization, social and economic consequences, and the impact of law on society. Occasional.


SYO 3562 COS-SOC 3(3,0) Patterns of Domestic Violence in Society: PR: SYG 2000 or C.I. Sociological perspectives on all forms of domestic violence, including theoretical explanations, prevalence, risk factors, dynamics of prevention, and intervention. Occasional.

SYO 3602 COS-SOC 3(3,0) Patterns of Popular Music in Society: PR: SYG 2000 or SYG 2010 or C.I. The role of popular music in social change and an examination of the impact of popular music on society. Occasional.

SYO 3630 COS-SOC 3(3,0) Popular Culture In Society: PR: Junior Standing or C.I. Examines the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity, and age. Occasional.
UFC Courses and Descriptions

THE 4954 CAH-THEA 0(0,0)

THE 5205 CAH-THEA 3(3,0)

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 genres. Emphasis will be placed upon historical trends and theatrical viability. Fall.

THE 5288 CAH-THEA 3(3,0)

THE 5289 CAH-THEA 3(3,0)

THE 5307 CAH-THEA 3(3,0)

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)

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, formats, 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 4264C CAH-THEA 3(2,2) Sound Design for Theatre II: PR: "C" (2.0) or better in TPA 2260C. Project sound design work with an emphasis on design communication and professional standards and practices. Occasional.

TPA 4293L CAH-THEA 1(0,VAR) Theatre Participation-Production II: PR: "C" (2.0) or better in TPA 2230L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $15.00

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 2000 or THE 2020. 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/Technology Major, 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 3651. 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 an 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 advanced 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 design. May be used in the degree program a maximum of 8 times. 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 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 5056S. 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 for theatre design. Occasional.

TPA 5405S CAH-THEA 3(3,0) Theatre Management for Non-Majors: PR: THE 2020 or THE 2040, graduate status, or C.I. Study of universality, community and professional theatre management with special attention to the principles of management to include management skills/function and organizational systems/performances as they relate to theatre organizations/institutions. Fall.

TPA 5585C 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(2,0) 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(2,0) 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, C (2.0) or better required in THE 2020 or THE 2000. 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 8 times. Fall, Odd Spring. M&S fee $15.00.

TPP 2260 CAH-FILM 3(3,0) Acting for Film: PR: Film Majors. An introduction to acting for the camera. Occasional.

TPP 2700C CAH-THEA 3(2,2) Stage Speech/Voice: PR: BA Theatre major or minor and C (2.0) or better in THE 2000 or THE 2020. Practical stage voice as it applies to performance. Credit cannot be applied towards BFA acting and musical theatre majors. 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 3172C 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/performances 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 3250 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 3258C CAH-THEA 2(2,2) Musical Theatre Voice I: 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 5102, and THE 2020. 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, or C (2.0) or better required in THE 3312. Principles and techniques of play direction to include script selection, directional analysis, casting, composition/visualization, 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 tasks. Fall.

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 3172C. Continued exploration and application of acting techniques through scene study. Fall.

TPP 4142C CAH-THEA 3(2,2) Acting Verses: PR: Grade of C (2.0) or better required in TPP 4140C. Verses drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. Occasional.

TPP 4143C CAH-THEA 3(2,2) Acting Styles: PR: "C" (2.0) or better in TPP 3103 or TPP 4142C. An advanced and comprehensive view of acting styles. Occasional.
UCF Courses and Descriptions

TPP 4221 CAH-THEA 3(3,0) Auditioning: PR: "C" (2.0) or better in TPP 2170C. Selecting scripts, auditioning techniques and cold readings. Spring.

TPP 4233 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. Spring.

TPP 4243 CAH-THEA 3(2,2) Circus Arts: PR: Theatre major or minor: "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA 3(2,2) The Art of Storytelling: PR: Theatre major or minor: "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TPP 4253 CAH-THEA 3(2,2) Musical Theatre Voice III: PR: "C" (2.0) or better in TPP 3258C. Advanced work in cabaret/one-person construction and performance with an emphasis on show preparation. Occasional.

TPP 4259 CAH-THEA 2(2,2) Musical Voice 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. Spring.

TPP 4265 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. Occasional.

TPP 4268 CAH-THEA 3(2,2) 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. Spring.

TPP 4270 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. Spring.

TPP 4271 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. Fall.

TPP 4311 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. Spring.

TPP 4512 CAH-THEA 2(2,2) Stage Combat: PR: B.F.A. 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. Occasional.

TPP 4513 CAH-THEA 2(2,1) Period Movement: PR: Grade of C (2.0) or better required in TPP 3712C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4730 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. Occasional.

TPP 4746 CAH-THEA 2(2,2) Musical Theatre Repertoire: PR: Theatre major and grade of "C" (2.0) or better in TPP 3267C. Advanced musical theatre repertoire study in preparation for professional auditions. May be used in the degree program a maximum of 6 times. Occasional.

TPP 4923C CAH-THEA 2(2,2) Musical Theatre Voice IV: PR: "C" (2.0) or better in TPP 4942C. 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. Fall.

TPP 4940L CAH-THEA 6(0,VAR) Theatre Internship: PR: Restricted to B.F.A. Theatre majors, and Junior standing subject to Department approval. Off-campus internship programs in professional theatre. Required of all B.F.A. theatre majors. Fall, Spring.

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. Odd Fall.

TPP 5156C CAH-THEA 3(2,2) Acting Studio II: PR: Admissions 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. Fall.

TPP 5157C CAH-THEA 2(2,2) Acting Studio II: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of modern (1930-1) European playwrights with emphasis on the works of Ibsen/Chetkov/Shows. Spring.

TPP 5264C CAH-THEA 2(2,2) Circus Arts: PR: Admission to Theatre graduate program or C.I. Circus skills and history. Even Spring.

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. Spring.


TPP 5283C CAH-THEA 2(2,3) Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. Even Fall.

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. Odd Spring.

TPP 5515 CAH-THEA 2(2,0) 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 unarmored combat. Spring.

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 unarmored combat. Spring.


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. Spring.

TPP 5715C CAH-THEA 2(2,1) Stage Voice I: PR: Admission to the 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. Fall.

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. Spring.

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. Fall.

TPP 5935C CAH-THEA 2(2,2) Contemporary Practices in Young 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. Odd Spring.

TSL 3346 CAH-LANG 3(3,0) English as an International Language: PR: "C" (2.0) or better in TPP 3258C and TPP 3265C. Advanced work in cabaret/one-person construction and performance with an emphasis on show preparation. Occasional.

TSL 4089 ED-TL&L 3(3,0) Theory and Practice of Teaching ESOL Students in Schools: PR: "C" (2.0) or better. Practical instruction and experiences for future teachers of English as a second language. In class as well as 25 hours of experience working with non-native speakers. Spring.

TSL 4240 CAH-LANG 3(3,0) Issues in Second Language Acquisition: PR: TSL 3346. The development of approaches to L2 reading and writing. Specialists in the field. Spring, Fall.

TSL 4363 CAH-LANG 3(3,0) ESL Classroom Experiences: PR: TSL 3346 or B.F.A. ESL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. Fall, Spring.

TSL 5085 ED-TL&L 3(3,0) Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education 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) ESL Strategies: PR: Graduates 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 5940 CAH-LANG 3(3,0)
Issues in TEFL: PR: Graduate status or senior 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 5601 CAH-LANG 3(3,0)
Graduate standing or C.I. Considers lexical issues encountered in 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 of 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 4004 ECS-Cece 4(4,0)
Transportation Engineering: PR: SUR 2080, EGN 3613 and STA 3032. Investigation of highway and transportation systems. Approaches to planning, design, operation and administration of transportation networks. Fall. Spring.

TTE 4274 ECS-Cece 3(3,0)
Transportation Reliability 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 2(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 design corridors, and planning for transportation systems and air transportation will be covered. Fall, Spring.

TTE 5700 ECS-Cece 3(3,0)

TTE 5805 ECS-Cece 3(3,0)
Geometric Design of Transportation Systems: PR: TTE 4004 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)

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)
World Civilization I - Honors: 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 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)
World Civilization II - Honors: PR: Permission of Honors. Rise of modern civilization from 1500 to present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. Occasional.

WST 3015 CAH-Wom 3(3,0)
Introduction to Women's Studies: PR: ENC 1102 or C.I. A 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)

WST 3200 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, obstacles women leaders face, and learning from women, 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)

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 analyses 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 1990s, 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)

WST 4022 CAH-Wom 3(3,0)

WST 4023 CAH-Wom 3(3,0)

WST 4349 CAH-Wom 3(3,0)

WST 4415 CAH-Wom 3(3,0)

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 COS-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: BSC 2101C and BSC 2101C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&S fee $65.00

ZOO 3733C COS-M&m 4(3,3)
Human Anatomy: PR: BSC 2101C or equivalent. Structure of the human body. Fall. Spring. M&S fee $15.00

ZOO 3733H COS-M&m 4(3,3)
Honors Human Anatomy: PR: BSC 2101C or equivalent and Consent of Honors. Basic and functional anatomy in a 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 Consent. Spring.

ZOO 3736C COS-M&m 4(3,2)

ZOO 3744 COS-M&m 3(3,0)
Neurobiology: PR: BSC 2101C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall. Spring.

ZOO 4265C COS-Biol 4(3,3)
Bioloogy and Ecology of Metazoan Invertebrates: PR: BSC 2101C, BSC 2111C, PCB 3044 or C.I. Anatomy, ecology, taxonomy, behavior, evolution, and parasitological relations of the radiates, bilaterals, acelous, pseudocelous, schizocelous, and enterocelous invertebrates. Occasional. M&S fee $34.00

ZOO 4310C COS-Biol 4(2,6)
Vertebrate Evolution & Ecology: PR: BSC 2101C, BSC 2111C, PCB 3044, 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: BSC 2101C and BSC 2111C, or C.I. Diversity and biology of mammals from an evolutionary perspective. Even Spring.

ZOO 4513 COS-Biol 3(3,0)
Animal Behavior: PR: PCB 3044. Study of the current trends in animal behavior, including the mechanism of behavior and evolutionary explanations. Odd Fall.


ZOO 4704C 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 4704H 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 4704C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.

ZOO 4747H COM-M&M 4(3,1) Clinical Neuroscience Honors: PR: ZOO 3744 or ZOO 4704C 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 5485C 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 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 4704C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.

ZOO 5881C COS-BIOL 4(3,4) Fisheries Management: PR: ZOO 4310C, graduate status or senior standing, or C.I. Fisheries management of freshwater environments to include identification, sampling methods, farming and hatchery operations, propagation and population estimates. Occasional. M&S fee $20.00
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<thead>
<tr>
<th>Name</th>
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<tr>
<td>ALDERMAN, BARBARA</td>
<td>Professor of Internal Medicine</td>
<td>University of California at Berkeley, P.E. (Florida)</td>
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<tr>
<td>ABEL, EILEEN M.</td>
<td>Visiting Instructor of Digital Media</td>
<td>University of Central Florida</td>
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<td>ABDEL-ATY, MOHAMED</td>
<td>Professor of Electrical Engineering and Computer Science</td>
<td>University of Florida</td>
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<td>ABDALLAH, NAZIH</td>
<td>Associate Professor of Social Work</td>
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<td>ABBAS, HADI</td>
<td>Instructor of History</td>
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<td>AL-DEEK, HAITHAM</td>
<td>Instructor of Nursing</td>
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<td>ALLEN, FRANK R.</td>
<td>Associate Director for Administrative Services</td>
<td>University of Central Florida</td>
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<td>ALLEN, JEFFERY W.</td>
<td>Associate Professor of Marketing</td>
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<td>ALLEN, KAY WILLIAM</td>
<td>Associate Professor of Education</td>
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<td>ALLEN JR., DONNY F.</td>
<td>Instructor of Music</td>
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<td>ALLGOOD, JANE</td>
<td>Graduate Coordinator and Assistant Professor of Social Work</td>
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<td>ALLRED, KELLY</td>
<td>Assistant Professor, College of Nursing</td>
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<td>ALEXANDER, R.</td>
<td>Visiting Instructor of Art</td>
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<td>AHANGARI, RAHELEH</td>
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<td>Visiting Instructor of Music</td>
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<td>Instructor/Coordinator of Education</td>
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<td>ANDWES DIANE</td>
<td>Assistant Professor, College of Nursing</td>
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<td>ANGELOPOULOS, THEODORE</td>
<td>Professor of Health Sciences and Secondary Joint Professor of Medicine</td>
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<td>ANGLEY, PATRICIA</td>
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<td>APPLEGATE, BRANDON</td>
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<td>APPLEN, J.D.</td>
<td>Associate Professor of English</td>
<td>University of Central Florida</td>
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<td>ARK, PAMELA</td>
<td>Assistant Professor, College of Nursing</td>
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<td>ARMAcost, ROBERT</td>
<td>Special Advisor to the Dean, College of Medicine</td>
<td>University of Central Florida</td>
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<td>ARNOLD, VICKY J.</td>
<td>Chairholder, Ernst &amp; Young Professorship and Professor of Accounting</td>
<td>University of Central Florida</td>
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<td>AROIAN, KAREN</td>
<td>Professor, College of Nursing</td>
<td>University of Central Florida</td>
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<td>ARTHUR, MICHAEL A.</td>
<td>Head, Acquisitions &amp; Collections and Assistant Librarian</td>
<td>University of Central Florida</td>
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<td>ASHLEY, ROBERT A.</td>
<td>Assistant Professor of Hospitality Management</td>
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<td>ATKINSON, TOM</td>
<td>Assistant Professor of Education</td>
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<td>AZMI, CYRUS</td>
<td>Professor of Education</td>
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<td>BAIL, I. CORI</td>
<td>Courtesy Assistant Professor of Obstetrics &amp; Gynecology</td>
<td>University of Central Florida</td>
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<td>BAKER, BARRY B.</td>
<td>Director, University Libraries</td>
<td>University of Central Florida</td>
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<td>BARNES, THOMAS</td>
<td>Courtesy Assistant Professor of Family Medicine</td>
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<td>BARRING, BETHANY</td>
<td>Assistant Professor Emergency Medicine</td>
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<td>BARBER, SARAH</td>
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<td>BARRFIELD, II, RUFUS</td>
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<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
<th>University/Institution</th>
<th>Field</th>
<th>Degree(s)</th>
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WALSH, ANTHONY, Clinical Faculty, Medical Laboratory Sciences (1991), Ph.D. (University of Florida)

WALTERS, CYNTHIA, Instructor of Education (2007), B.S., M.Ed. (Aquinas College)

WALTERS, LARRY, Clinical Professor and Director of Graduate Internships, Health Services Administration (2005), M.H.A. (Duke University)

WALTERS, LINDA J., Professor of Biology (1996), B.S., M.S., Ph.D. (University of South Carolina)

WALTERS, LORI, Instructor (2003), B.A., M.A., Ph.D. (Florida State University)

WALTON, DEEDRA, Electronic Resources Librarian, College of Medicine (2009), M.L.S. (Texas Woman's University)

WAN, THOMAS, Second Joint Professor of Nursing and Second Joint Professor of Health Professions and Professor of Medical Education (2003), Ph.D. (University of Georgia)

WANG, ALVIN Y., Professor of Psychology and Dean, Burnett Honors College (1987), B.A., Ph.D. (State University of New York at Stony Brook)

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WANG, XIAO HU, Assistant Professor of Public Administration (1997), B.A., M.A., Ph.D. (Florida International University)

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WARFIELD, SCOTT, Associate Professor of Music (2002), Ph.D. (University of North Carolina at Chapel Hill)

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WEI, L., Associate Professor Department of Electrical Engineering and Computer Science (2001), B.S., M.S., Ph.D. (University of South Australia)

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WEISHAMPEL, JOHN, Professor of Biology (1995), B.S., M.A., Ph.D. (University of Virginia)

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BERGNER JR., JOHN F., Emeritus of Psychology (1975), B.S., M.S., Ph.D. (University of Nebraska)


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BOLTE, JOHN R., Emeritus of Engineering (1968), B.A., M.A., Ph.D. (State University of New York)

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BRENNAN, JOHN J., Emeritus of Economics (1968), B.S., M.A., Ph.D. (Georgia Institute of Technology)

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BURROUGHS, WAYNE A., Emeritus of Psychology (1986), B.A., M.A., Ph.D. (University of Tennessee)

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COMISH, NEWELL W., Emeritus of Management (1968), B.S., M.S., Ph.D. (Ohio State University)

CONGDON, KRISTIN G., Emeritus of Business Administration (1998), B.A., M.S., Ph.D. (University of Oregon)

CORNELL, RICHARD, Emeritus of Mathematics (1968), B.S., M.S., Ed.D. (Novia University)

CUMMING, GLENN N., Emeritus of Chemistry (1969), B.S., M.S., Ph.D. (North Carolina State University)


DEL-RIO, MARCELA, Emeritus of Foreign Languages and Literatures (1986), B.A., M.A., Ph.D. (University of California-Irvine)


DUTTON, RONALD D., Emeritus of Electrical Engineering and Computer Science (1972), B.S., M.S., Ph.D. (Washington State University)


ENHART, LLEWELLYN M., Emeritus of Biochemistry (1969), A.B., Ph.D. (Cornell University)

ELLIS, LESLIE L., Emeritus of Biochemistry (1968), B.S., M.S., Ph.D. (University of Wisconsin)

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FEDLER, FREDERICK E., Emeritus of Computer Science (1971), B.S., M.A., Ph.D. (University of Wisconsin)

FEDLER, FREDERICK E., Emeritus of Computer Science (1971), B.S., M.A., Ph.D. (University of Minnesota)


FICK, ROBERT G., Emeritus of Humanities (1968), B.S., M.A., Ph.D. (University of Florida)

FREDERICK, TERRY J., Emeritus of Computer Science (1975), B.S., M.S., Ph.D. (University of Wisconsin)

GENNARO, ROBERT N., Emeritus of Psychology (1985), B.S., M.S., Ph.D. (University of California)

GRIFFITH, HAROLD L., Emeritus of Engineering (1972), B.S., M.S., M.S. (Pennsylvania State University), P.E. (Florida)


HICKEY, TERRY L., Emeritus of Engineering (1978), B.S., M.S., Ph.D. (University of Wisconsin)

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HOSNI, YASSER A., Emeritus of Engineering (1978), B.S.M.E., M.S., Ph.D. (University of Wisconsin), P.E. (Florida)
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<th>Name</th>
<th>Title</th>
<th>Institution</th>
<th>Year(s)</th>
<th>Degree(s)</th>
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<tbody>
<tr>
<td>TUCKER, RICHARD D.</td>
<td>Professor Emeritus of Psychology</td>
<td>(1972), A.B., M.A., Ph.D. (Emory University)</td>
<td>1972</td>
<td></td>
</tr>
<tr>
<td>WALLACE, RALON L.</td>
<td>Professor Emeritus of Anthropology</td>
<td>(1970), B.S., M.S., Ph.D. (University of Florida)</td>
<td>1970</td>
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<tr>
<td>WANG, JUAN</td>
<td>Professor Emeritus of Science</td>
<td>(2000), M.D. (Central University of Pennsylvania)</td>
<td>2000</td>
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**COURTESY APPOINTMENTS**

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<th>Name</th>
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<th>Institution</th>
<th>Year(s)</th>
<th>Degree(s)</th>
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<tr>
<td>ABDELRAHIM, MAEN A.</td>
<td>Courtesy Associate Professor Biomedical Science Center</td>
<td>(2006), B.S.c. in Pharmacy, Ph.D. (Texas A&amp;M University, College Station)</td>
<td>2006</td>
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<tr>
<td>AGUIRRE, LILLIAN</td>
<td>Courtesy Instructor of Nursing</td>
<td>(2009), B.S, M.S. (University of Central Florida)</td>
<td>2009</td>
<td></td>
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<td>ANAGNOSTOPoulos, GEORGios</td>
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<td>(2007), P.S.P., M.S. (University of Central Florida)</td>
<td>2007</td>
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<tr>
<td>ANDREWS, LARRY C.</td>
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<td>(1973), B.S., M.S., Ph.D. (Michigan State University)</td>
<td>1973</td>
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<tr>
<td>ARLEN, PHILIP A.</td>
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<td>(2008), Ph.D. (University of Central Florida)</td>
<td>2008</td>
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<tr>
<td>AWE, JAIME J.</td>
<td>Courtesy Professor of Anthropology</td>
<td>(2007), Ph.D. (University of London)</td>
<td>2007</td>
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<tr>
<td>BAKER, PAUL</td>
<td>Courtesy Professor</td>
<td>(2009), MA, PhD (George Mason University)</td>
<td>2009</td>
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<tr>
<td>BARRA-HOLAM, ANGELINE</td>
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<td>2010</td>
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<tr>
<td>BASU, SAPTARSHI</td>
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<td>BEACH, KEVIN</td>
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<td></td>
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<td>BIELITZKI, JOSEPH</td>
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<tr>
<td>BILLINGS, JOSEPH B.</td>
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<td>BONDAR, MYKHAILO</td>
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<td>BOWMAN, REED</td>
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<tr>
<td>BRANCH, LEONARD</td>
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<td>2009</td>
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<td>BRUNELL, MARY LOU</td>
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<td>(1980), M.S.N. (University of Pennsylvania)</td>
<td>1980</td>
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<td>CALESTANI, CRISTINA</td>
<td>Secondary Joint Assistant Professor Biomedical Science Center</td>
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<td>CAMDESSANCHE, JEAN-PHILIPPE</td>
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<tr>
<td>CHAHALVI, ALI</td>
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<td>CHANG, NI-BIN</td>
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<td>CHEN, PHILIP</td>
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<tr>
<td>CHITICK, ELIZABETH</td>
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<td>(2002), (Tufts University)</td>
<td>2002</td>
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<td>(2005), M.S., Ph.D. (University of California, Berkeley)</td>
<td>2005</td>
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<tr>
<td>COFFEY, KEVIN</td>
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<td>2005</td>
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<tr>
<td>COULMUS, GENE</td>
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<td>2000</td>
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<tr>
<td>DEATON, JOHN</td>
<td>Assistant Professor of Psychology</td>
<td>(1994), B.A., M.A., Ph.D. (Catholic University of America, Washington, D.C.)</td>
<td>1994</td>
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<td>DEMPSAY-WALLS, SUSAN</td>
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<tr>
<td>DERYUP, MARK</td>
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<td>1994</td>
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<td>DHIREN, NEELKANTH</td>
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<td>DIO, EDUARDO</td>
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<td>DRAKE, JASON</td>
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<td>2003</td>
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<td>DURANCEAU, STEVEN</td>
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<td>(2009), AA, BS, MS, PhD (University of Central Florida)</td>
<td>2009</td>
<td></td>
</tr>
<tr>
<td>EASTES, RICHARD W.</td>
<td>Secondary Joint Assistant Professor of Electrical Engineering</td>
<td>(2006), B.S., M.A., Ph.D. (The Johns Hopkins University)</td>
<td>2006</td>
<td></td>
</tr>
<tr>
<td>FIELD, MELVIN</td>
<td>Courtesy Associate Professor Biomolecular Science</td>
<td>(2006), M.D. (University of Florida), Diplomat of the National Board of Medical Examiners</td>
<td>2006</td>
<td></td>
</tr>
<tr>
<td>FOLSE, KEITH</td>
<td>Secondary Joint Associate Professor</td>
<td>(2009), M.A., Ph.D. (University of South Florida)</td>
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<td></td>
</tr>
<tr>
<td>FRANKLIN, RAYMOND</td>
<td>Clinical Faculty, MLS, Department of Molecular Biology and Microbiology; Courtesy Assistant Professor of Pathology</td>
<td>M.D., Ph.D. (University of Texas)</td>
<td>2008</td>
<td></td>
</tr>
<tr>
<td>FRIEDMAN, DAVID</td>
<td>Courtesy Adjunct Professor of Biology</td>
<td>(2007), B.A., Ph.D. (Rockefeller University)</td>
<td>2007</td>
<td></td>
</tr>
<tr>
<td>FRISTROM, JAMES W.</td>
<td>Courtesy Research Professor of Biology</td>
<td>(2004), B.A., Ph.D. (Rockefeller University)</td>
<td>2004</td>
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</tr>
<tr>
<td>FULLERTON, STUART</td>
<td>Biological Research Associate</td>
<td>(1995), B.S. (University of Central Florida)</td>
<td>1995</td>
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</tr>
<tr>
<td>GARIBAY, IVAN</td>
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<td>2007</td>
<td></td>
</tr>
<tr>
<td>GARLAND, JAY</td>
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<td>(2002), B.S., M.S., Ph.D. (University of Virginia)</td>
<td>2002</td>
<td></td>
</tr>
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</table>
GESQUIERE, ANDREQ, Secondary Joint Assistant Professor of FSEC (2009), B.S., Ph.D. (Catholic University of Leuven)
GHAMARI-TABRIZI, SHARON, Courtesy Research Associate (2009), Ph.D. (University of California)
GOLDBERG, STEVEN, Courtesy Associate Professor of Psychology; Chief, Orlando Field Unit, US Army Research Institute of Environmental Medicine (1994), B.A., Ph.D. (State University of New York at Buffalo)
GOLDIEZ, BRIAN, Deput Director and Principal Investigator of the Institution of Simulation and Training and Secondary Joint Assistant Professor of Industrial Engineering and Management Systems (2006), B.S., M.S., Ph.D. (University of Central Florida)
GOODMAN, IRA, Courtesy Associate Professor Biomolecular Science Center (2006), B.S., M.D. (Medical College of Pennsylvania). Board certified, Neurology (American Board of Neurology and Neurology)
GOODWIN, KENNETH, Courtesy Assistant Director, Career Services and Experiential Learning (2006)
GORDIN, PATRICIA, Courtesy Adjunct - Educational Research, Technology & Leadership (2007)
HUBSCH, TRISTAN, Courtesy Graduate Faculty Scholar (2009), B.S., Ph.D. (University of Maryland)
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JARVIS, JOHN, Courtesy Research Associate Professor of Sociology (2006), B.A., B.S., M.A., Ph.D. (University of Virginia)
JEDICA MIRRA, LORI, Courtesy Research Associate Professor of Biology (2004), M.A. (College of William and Mary)
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KACHURIN, ANATOLY, Courtesy Assistant Professor of Molecular Biology and Microbiology (2004), Ph.D. (Russian Academy of Science, St. Petersburg Nuclear Physics Institute)
KAPLAN, MICHAEL, Professor of Psychology Ph.D. (Columbia University)
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MARTIN, LAWRENCE, Professor, Public Administration and Public Affairs, Joint Appointment (2004), Ph.D. (Arizona State University)
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MEKES, SANDFORD, Courtesy Graduate Faculty Scholar (2009), BS, MS, Ph.D. (University of Florida)
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MENGES, ERIC, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Wisconsin)
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SOLTIS, JOSEPH, Courtesy Research Assistant Professor of Biology (2004), B.A., M.A., Ph.D. (University of California, Los Angeles)

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STERN, ALAN, Courtesy Graduate Faculty Scholar (2009), B.S., B.S., M.S., Ph.D. (University of Colorado)

STERN, JONATHAN S., Assistant Professor of Biology (2002), B.A., M.A., Ph.D. (Texas A&M)

STEWARD, DUANE, Secondary Joint Assistant Professor of Medical Education (2007), Ph.D.

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STROEBEL, JAMIE, Courtesy Adjunct Instructor (2009), B.M., M.M. (University of Southern California)


SULLIVAN, JEROME L., Courtesy Associate Professor Biomedical Science Center (2006), M.D. (University of Florida College of Medicine)

SUMMY, JUSTIN M., Courtesy Assistant Professor (2007), Ph.D. (West Virginia University)

SWEENY, PAUL D., Professor of Psychology (1999), M.S., Ph.D. (Indiana University)

THEIS, ELIZABETH, Courtesy Instructor (2010)

THOMPSON, CHARLES, Courtesy Assistant Professor Biomolecular Science Center (2006), M.D. (University of Miami School of Medicine)

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VALDES, EDUARDO V., Associate Professor of Mechanical Engineering (2002), M.S., Ph.D. (University of Guelp)

VAN STRYLAND, ERIC W., Dean and Director, Professor of Optics (1987), B.S., Ph.D. (University of Arizona)

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WHEELER, RAYMOND, Professor, Biology (2003) (Utah State University)

WHITCOMB, CARRIE, Professor of Forensic Science (1999), B.S., M.S.F.S. (George Washington University)

WIEGAND, RUDOLF, Secondary Joint Assistant Professor of Electrical Engineering and Computer Science (2007), Ph.D. (George Mason University)

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WILLIS, JAYNE, Courtesy Clinical Faculty, College of Nursing (2005), B.S.N., M.S.N. (University of Florida)

WITHERINGTON, BLAIR ERNEST, Research Assistant Professor, Biology (1999), B.S., M.S., Ph.D. (University of Florida)
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LYONS-OTEN, TERESA, Registrar, College of Medicine (2007), B.S. (Tennessee State University)
MacKOWN, PATRICIA A., Assistant Vice President, Student Development and Enrollment Services (1979), B.A., M.A. (University of Central Florida)
MADSEN, RUTHANNE, Director, Financial Services, College of Medicine (2007), M.B.A., Ed.D. (Nova Southeastern University)
MAJOR, ANTHONY, Director, Zora Neale Hurston University Institute (2007), B.A., M.F.A. (New York University)
MALARET, STACEY, Director, Student Leadership Development (2001), B.A., M.A., Ed.D. (University of Central Florida)
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MASON, GREGORY S., Director, Fraternity & Sorority Housing and Development (1990), B.A., M.S. (Indiana University)
McCLOUD, REBEKAH, Director, Student Development and Enrollment Services PRIME STEM Student Support Services Program (1997), B.A., M.Ed., M.S., Ed.D. (University of Central Florida)
MEALOR, DAVID, Associate Vice President and Director, UCF Heathrow and UCF Sanford/Lake Mary (1980), B.S., Ph.D. (University of Georgia)
MERCK, II, WILLIAM F., Vice President for Administration and Finance, and CFO (1996), B.B.A., M.B.A. (Georgia State University)
MESSINA, THOMAS, Associate Vice President for Alumni Relations and Executive Director, UCF Alumni Association (1992), B.S., M.B.A. (Embry Riddle Aeronautical University)
MODIANOS, DOAN T., Associate Vice President, Strategic Planning (2006), Ph.D. (Texas Christian University)
MONROE, JUDITH E., Associate Vice President, University Support (1978), B.S., M.A. (University of Central Florida)
MOORE, RHONDA, Director, Creative School for Children (2009)
NEIGHBOR, J. EDWARD, Vice Provost, Academic Administrative Systems, and Professor of Physics (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
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O'NEAL, THOMAS P., Associate Vice President, Research & Commercialization, and Director, UCF Technology Incubator and Secondary Joint Associate Professor of Industrial Engineering & Management Systems (1991), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida)
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OMLI, STEVE, Director, Finance and Accounting, College of Medicine (2008), M.B.A. (University of North Carolina)
ORO, GLENNIA, Assistant Vice President, Community Relations (1999), B.A. (University of Central Florida)
PATES, PATRICIA, Director, Research, Grants, and Evaluation (1996), B.A., M.A., Ed.S. (University of Louisville)
PAVLONIS, DAVID L., Assistant Vice President and Director, SDES-Office of Budget & Personnel (1995), B.S., M.S. (University of Tennessee)
PAYNE, RICHARD S., Assistant Vice President, SMCA Operations (2002), B.S., M.B.A. (University of Central Florida)
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PERRY, ANTHONY, Director, Rosen College of Hospitality Management Student Life (2002), B.A., M.Ed., M.S. (University of Louisville)
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PITTMAN, JOHN, Director, Financial Services (2000), B.S., M.S. (University of Central Florida)
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PRESTON, MICHAEL, Director, Office of Student Involvement (2011), B.A., M.S. (Southern Illinois University - Carbondale)
PRIEST, DeLAINE, Associate Vice President, Student Development and Enrollment Services (1994), B.A., M.A. (University of Alabama-Birmingham)
PUSKAS, RAYMOND, Director, Purchasing (1988), B.A. (University of Connecticut)
RANGE, A. J., Assistant Vice President, Regional Campus Student Services (1994), B.S., M.Ed. (Florida A&M University)
RE, PAMELA, Director, Student Disability Services (2000), B.A., M.Ed. (National-Louis University)
REDICK, ALJO Z., Director, Special Programs and Defense Transition Services (1990), B.S., M.E., Ed.D. (Novel University)
REED, HAL C., Assistant Vice President for Planned Giving (2000), B.A., J.D. (University of Kansas)
RITCHIE, JOE, Executive Director, First Year Experience (2000), B.A., M.A. (Indiana University of Pennsylvania)
RIVERS, CECELIA H., Assistant Vice President, UCF Leesburg, UCF Ocala, and UCF South Lake, UCF Regional Campuses (1981), B.A., M.A., Ed.D. (University of Central Florida)
ROBERTS, MARK A., Chief Human Resources Officer (1986), B.A., M.A. (Central Michigan University)
SAWYER, CURTIS, Director, Business Services and Knights Plaza (2008)
SCHELL, JOHN F., Vice President and Chief of Staff, Office of the President, and Professor of English (1987), B.A., M.A., Ph.D. (Vanderbilt University)
SCHNEIDER, KIMBERLY, Director, Undergraduate Research (2007), B.S., Ph.D. (University of South Carolina)
SCHONS, EDWARD L., Director, University Economic Development, University Relations (2000), B.S. (Florida Southern College)
SCHUCKMAN, GREGORY A., Assistant Vice President, Director, Federal Relations, University Relations (2000), B.S., M.G.A. (University of Pennsylvania)
SCIARRINO, JOSEPH, Director, Activity and Service Fee Business Office (1990), B.S.B.A. (University of Central Florida)
SELIM, BASMA, Director, Analysis, Planning and Accreditation, College of Medicine (2005), Ph.D. (University of Central Florida)
SHIVER, LAUREN A., Assistant Vice President for Advancement Services (2002), A.A., B.B.A., M.B.A. (Valdosta State University)
SIMAAN, MARWAN, Dean College of Engineering and Computer Science (2008), Ph.D. (University of Illinois at Urbana-Champaign), P.E. SINGH, KRISHNA, Director, Parking & Transportation Services (2009)
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SNOW, ROBERT, Director, Sophomore and Second Year Center (1987), B.S., M.S. (Shippensburg University Pennsylvania)
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STERN, MICHAEL J., Associate Dean, College of Graduate Studies, Professor of Biology (2007), B.S., Ph.D. (University of California at Berkeley)
STINARD, CHARLENE, Director, Transfer & Transition Services (1990), B.A., M.A. (Columbia University)
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SWEENEY, MICHAEL J., Coordinator of Special Programs, and Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)
SWEET, HAVEN C., Associate Dean, College of Sciences, and Professor Emeritus of Biology (1971), B.S., Ph.D. (Syracuse University)
THOMAS, CARLEE, Director, Development, Burnett School, College of Medicine (2008), M.A. (University of Central Florida)
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TRLEDI, SHREYA, University Ombuds Officer (2011)
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VAIDYANATHAN, PALLAVOOR N., Assistant Vice President for Research (1989), B.S., B.E., M.Sc., M.B.A. (University of Central Florida)
Vázquez, José, Interim Director, Environmental Health and Safety (1994), B.A., M.A. (University of Wyoming)

Vittes, M. Elliot, Interim Vice Provost and Dean of Undergraduate Studies and Associate Professor of Political Science (1983), B.A., M.A., Ph.D. (University of Massachusetts)

Voelker, Amy, Executive Director, University Audit (1990), B.S., M.P.A. (University of Central Florida)

Waldrop, Tony, Provost and Vice President (2010), B.A., M.A., Ph.D. (University of North Carolina, Chapel)

Walton, Roxanne, Director, Human Resources (2002), B.S. (Stetson University)

Watson, Jimmy L., Assistant Vice President, Off Campus Student Services (1980), B.A., M.Ed., Ph.D. (Columbia Commonwealth University)


Weidman, Diana, Director, Student Services, Eastern Region (1984), B.S., M.A., Ed.D. (University of Central Florida)

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Winter, Debra Y., Director, Office of Graduate Financial Assistance and Publications (1996), B.A., M.A., Ph.D. (University of Central Florida)

Wirag, J. Robert, Director, Health Services (2006), B.S., M.S., H.S.D. (Indiana University)

Withington, Andrea, Director of Graduate Services (2000), B.S., M.A. (George Washington University)

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Young, Denise L., Associate Vice President and Director UCF Cocoa and UCF Palm Bay (1990), B.A., M.S.W., Ph.D. (University of Michigan)

Zugelder, Bryan, Director of Clinical Experiences (2005), B.S., M.S., M.A., Ed.D. (Nova Southeastern University)
HONORARY DEGREES AWARDED

December 1969
Kurt H. Debus, Doctor of Engineering Science
William H. Dial, Doctor of Commercial Science
John W. Young, Doctor of Applied Sciences

May 1992
Robert Bryan, Doctor of Humane Letters
Buell G. Duncan, Jr., Doctor of Commercial Science

June 1970
Louis C. Murray, Doctor of Public Service
Fred C. Clayton, Doctor of Professional Engineering

May 1993
Norman R. Augustine, Doctor of Engineering Science

March 1973
Richard F. Livingstone, Doctor of Business Administration

December 1995
Jesse Stone, Doctor of Humane Letters

August 1974
Albert F. Hegenberger, Doctor of Engineering Science
Lee R. Scherer, Doctor of Engineering Science

May 1996
Nicolaaas Bloemergen, Doctor of Science
Richard A. Nuni, Doctor of Public Service

June 1979
Joseph Daniel Duffey, Doctor of Humane Letters

May 1997
Maxwell C. King, Doctor of Public Service
Joe R. Lee, Doctor of Commercial Science

December 1979
Thelma Vivian Jackson Dudley, Doctor of Humanities

August 1998
Linda W. Chapin, Doctor of Public Service

June 1980
Howard Phillips, Doctor of Public Service

December 1982
Robert J. Whalen, Doctor of Engineering Science
Andrew Duda, Jr., Doctor of Agricultural Service
John Duda, Doctor of Agricultural Service

May 2000
W. Roy Cambell, Doctor of Science
Joseph A. Boyd, Doctor of Engineering Science

April 1982
LeRoy T. Walker Sr., Doctor of Public Service

July 1982
Mary Jo Davis, Doctor of Public Service

October 2002
Nancy Burnett, Doctor of Commercial Science
Albert Burnett, Doctor of Commercial Science

December 1984
William E. Davis, Doctor of Public Service

December 2002
Richard M. DeVos, Jr., Doctor of Commercial Science

May 1985
Joseph A. Boyd, Doctor of Engineering Science

December 2004
G. Vince Amico, Doctor of Science
Lester Mandell, Doctor of Commercial Science

July 1983
J. W. Hubler, Doctor of Engineering Science
Charles Wadsworth, Doctor of Public Service

October 2005
Harriet Elam-Thomas, Doctor of Public Service
Anibel Acevedo Vila, Doctor of Public Science

December 1984
Allan E. Gotlieb, Doctor of Laws

December 2006
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Charles Hard Townes, Doctor of Science

May 1985
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February 2007
Robert E. Kahn, Doctor of Science
G. V. Khachaturian, Doctor of Science

July 1986
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May 2009
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March 1986
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Walter O. Lowrie, Doctor of Engineering Science
William C. Schwartz, Doctor of Engineering Science

December 2009
Wolfgang-Detlef Petri, Doctor of Public Service

May 1989
Isaac Bashevis Singer, Doctor of Letters

Jerry S. Roth, Doctor of Commercial Science

May 1990
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
Helen Harris Perlman, Doctor of Humane Letters
Thaddeus Seymour, Doctor of Letters
Roald Hoffmann, Doctor of Science
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.

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.

CED: College of Education.

Certificate: special program of study supplemental to a major.

Cl: 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.

CLAS: College Level Academic Skills: CLAS is a required statewide measurement of selected communication and mathematics skills.

CLAS Alternative: refers to another way of satisfying one or more subtests of the CLAS requirement through combination test scores (SAT or ACT) and specific course grades.

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 (CED), 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.

E-mail: 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, 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.

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.
Health Form: deficiency is calculated when the student applies for 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.

MEP: Major Exploration Program to assist students 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 E-Mail account, telephone number, and permanent mailing addresses; search for courses each term; register, drop/swaps 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.

RHIM: 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 eleven 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.

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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