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>May 16 - June 24</td>
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<tr>
<td>Application Deadline for All New Undergraduates</td>
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<tr>
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<td>Application Deadline for Graduate Programs Without Deadline</td>
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<tr>
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<td>Mar. 9 - Apr. 25</td>
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<tr>
<td>Housing Payment Due</td>
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<tr>
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<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>May 13</td>
<td>June 24</td>
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<tr>
<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>
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<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 19</td>
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<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
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<tr>
<td>Last Day for Full Refund</td>
<td>May 19</td>
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<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
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<td>July 8, 2011 - Students registering for Summer B only 5/21/11 through 7/01/11</td>
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<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
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<td>June 10</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>June 3</td>
<td>July 15</td>
<td>June 24</td>
<td>June 10</td>
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<tr>
<td>VA Deferral Payment Deadline</td>
<td>July 29</td>
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<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
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<tr>
<td>Classes End; Last Day to Remove Incomplete</td>
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<td>Final Examination Period Given during last class meeting</td>
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<tr>
<td>On-campus Housing closes</td>
<td>June 25</td>
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<td>August 5</td>
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<tr>
<td>Grades Due in myUCF (noon)</td>
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<tr>
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**NOTE:** Dates are subject to change. Consult the [Web Enrollment Guide](http://www.registrar.udes.ucf.edu/calendar) 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

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<thead>
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<th>Date</th>
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</thead>
<tbody>
<tr>
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<td>Independence Day Holiday</td>
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**UNIVERSITY OF CENTRAL FLORIDA**

Undergraduate Catalog 2011-2012
# 2011 - 2012 FALL/SPRING ACADEMIC CALENDAR

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<th>Spring 2012</th>
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</thead>
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<tr>
<td>Application Deadline for All New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
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<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
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<tr>
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<td>Application Deadline for Graduate Programs Without Deadlines</td>
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<td>Graduation Application (Online Intent to Graduate Form for Undergraduates) on myUCF</td>
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</tr>
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<td>Registration time for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
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<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>August 19</td>
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<tr>
<td>On-campus Housing opens</td>
<td>August 19</td>
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<tr>
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<td>Late Registration(^1,(^2) on myUCF (ends at 11:59 p.m. on last day)</td>
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<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
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<td>January 20</td>
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<td>October 10-21</td>
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<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
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<td>Grades Due on myUCF (noon)</td>
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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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<tr>
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<tr>
<td>Labor Day Holiday</td>
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<td>Homecoming Game - vs. Memphis</td>
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<tr>
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</tr>
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Undergraduate Academic Policy Statement

The University of Central Florida, may change any of the announce-
ments, 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; or,
3. Such conduct has the purpose or effect of substantially interfering with an individual’s work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

Sexual harassment is strictly prohibited. Occurrences will be dealt with in accordance with the guidelines above and University 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 permits.

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

Student organizations may develop more stringent regulations regarding alcohol use.

Locations

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

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

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

Approval Procedures: Student Groups

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

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

Approval Procedures: Non-Student Groups

When an event is properly scheduled to take place in a location for which a campus concession holds a license, alcoholic beverages are to be sold through the concession and their license. Groups or organizations who seek to sell beer or wine along with a non-alcoholic choice at other locations on campus must obtain approval to secure a beer or wine license from the Director of Business Services prior to making application for the license. With approval the license is then 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 equally culpable. In cases of cheating or plagiarism, the instructor may take appropriate academic action ranging from loss of credit for a specific assignment, examination, or project to removal from the course with a grade of “F.” Additionally, 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 with the University’s computer access services. 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 https://my.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 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/.

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

In most cases, the recommended strategy for complaints of any nature is to ask the concerned individual to first contact the person or office most directly connected to the issue, unless there are compelling reasons not to do so. If the concerned individual does not want to contact a faculty or staff member directly, he or she begins with the next highest level of authority, which typically is the department chair or director. If the problem or complaint is unresolved or the individual is not satisfied with the resolution, he or she may file a written grievance or appeal in most cases. Specific procedures included are in specific sections of the Catalog and The Golden Rule.

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

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

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

<table>
<thead>
<tr>
<th>College/Discipline</th>
<th>Accrediting Body</th>
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<tbody>
<tr>
<td>Arts and Humanities</td>
<td>Music, Music Education National Association of Schools of Music (NASM)</td>
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<tr>
<td>Business Administration</td>
<td>(all disciplines)</td>
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<tr>
<td>Education</td>
<td>(all disciplines)</td>
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<tr>
<td>Engineering and Computer Sciences</td>
<td>Aerospace, Civil, Computer, Electrical, Environmental, Industrial, Mechanical Eng</td>
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<td>Computer Science</td>
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<td>Health and Public Affairs</td>
<td>Athletic Training</td>
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<td>Cardiopulmonary Science</td>
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<td>Health Information Management</td>
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<td>Radiologic Sciences</td>
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<td>Social Work</td>
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<tr>
<td>College of Medicine - Burnett School of Biomedical Sciences</td>
<td>Medical Laboratory Sciences</td>
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<tr>
<td>Nursing</td>
<td>Nursing</td>
</tr>
<tr>
<td>Sciences</td>
<td>Chemistry</td>
</tr>
</tbody>
</table>

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

CENTRAL FLORIDA/CAMPUSES

407-823-2000
http://www.ucf.edu
UCF Stands For Opportunity: The University of Central Florida is
a major metropolitan research university located in one of the most
popular cities in the world. A growing and dynamic university, UCF
opened the College of Medicine in 2009, and it is the centerpiece
of the burgeoning medical city at Lake Nona. In 2010, UCF opened
the School of Performing Arts in the new on-campus Performing Arts
Center, and in 2011, UCF became one of 40 public universities earning the Carnegie Foundation’s highest designation in two categories:
community engagement and research activity.
The University of Central Florida is comprised of twelve colleges supporting more than 56,000 students that attend classes on UCF’s main
Orlando campus and its 10 regional campuses.
UCF offers 216 degree programs and is an academic and research
leader in numerous fields, such as optics, modeling and simulation,
engineering and computer science, business administration, education, the sciences including biomedical sciences, hospitality management and digital media.
UCF annually ranks in the top 50 universities nationwide for the
number of National Merit Scholars in its freshman class with the vast
majority enrolled in the Burnett Honors College.
The main campus stretches 1,415-acres and provides modern facilities. The Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, dental services, a pharmacy, a medical
laboratory and physical therapy services.
The Student Union has computer labs, study lounges, ballrooms and
meeting rooms, popular eating establishments and a small shopping
mall. Students also enjoy a 149,000-square-foot Recreation and
Wellness Center complete with a three-story climbing wall, an indoor
track and fitness equipment.
The main campus manages 800 acres of natural ecosystems resulting
in habitats for more than 45 unique animal species.
Housing includes on-campus residence halls and affiliated apartments
for almost 8,000 students. And the 10,000-seat UCF Arena and a
45,000-seat on-campus football stadium were opened in 2007.
UCF promotes a diverse and inclusive environment. Students come
from all 50 states and over 140 countries. Study abroad programs
allow students to study and conduct research with 98 institutions in
36 countries. Students at UCF have been recog-nized throughout
the world and include recipients of Rhodes, Mellon and Goldwater
scholarships.
In 2009-10, UCF professors received $133 million in research funding
and have accrued over $1.0 billion in research-related funding since
2000. Distinctive programs extend learning beyond the classroom
and include leadership programs, study abroad, cooperative education, mentorships, internships, service learning and paid research
positions.

Center for Distributed Learning
Assistant Vice President: Thomas B. Cavanagh
UCF Center for Distributed Learning, 3100 Technology Parkway,
Orlando, 32826; 407-823-4910
http://online.ucf.edu/
The Center for Distributed Learning provides opportunities for students to enroll in credit courses and selected degree and certificate
programs delivered over the Internet through Online@UCF. The
instructional design of these courses maintains a high-quality learning environment for both nontraditional and campus-based students.
Online courses are identified in the Class Schedule Search available
at https://my.ucf.edu/. In the “Additional Search Criteria” section use
the drop-down list next to “Mode of Instruction” to search for the values
described below.
Online instruction modes are:
WORLD WIDE WEB (W): These are courses conducted via webbased instruction and collaboration. Some courses may require minimal campus attendance or in-person/proctored examinations.
MIXED-MODE/REDUCED SEAT TIME (M): These courses include
both required classroom attendance and online instruction. All M
classes have substantial activity conducted over the web, which substitutes for some classroom meetings.
VIDEO STREAMING (V): These are courses delivered over the web
via streaming digital video, which may be supplemented by additional
web activity, projects, or exams.

UNIVERSITY OF CENTRAL FLORIDA

VIDEO STREAMING/REDUCED SEAT TIME (RV): In these courses,
classroom-based content is available over the Web via streaming
video and classroom attendance is not required. Other required activities that substitute for video instruction may include any of the following elements: web activity, in-person or proctored examinations, and
labs. See course notes for details.
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, basic web-browsing
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://www.regionalcampuses.ucf.edu
The University of Central Florida offers an opportunity to complete a
number of programs through UCF Regional Campuses. Strategically
located within an 80-mile radius of the UCF Orlando campus, the
multiple non-residential locations partner with six Florida community/
state colleges, fostering seamless and convenient advancement from
completion of an A.A. or A.S. degree to upper-level division work on a
baccalaureate degree. Programs include 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 entry for AA and AS graduates to UCF as an
enhancement to the FL state-mandated 2 + 2 agreement. Students
entering UCF as a DirectConnect to UCF student are admitted
according to the UCF policies when AA or AS degrees are awarded.
All locations provide students with an opportunity to enroll in selected
courses (junior and senior level) contributing to undergraduate and
graduate degrees in a variety of disciplines within the university. At
UCF Regional Campuses students may register full-time or part-time
for courses at any of the locations without additional paperwork. For
the most current information on any of the multiple UCF Regional
Campus locations, programs or class schedules, check the website at

Administration
UCF Regional Campuses Administration
12201 Research Parkway, Suite 101
Orlando, 32626; 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
Coordinator, 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

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Undergraduate Catalog 2011-2012


Director, RC Enrollment Services ................. Deborah Bradford
Marketing Account Executive ....................... Michelle Fuentes
Web Designer ........................................... Tony Recascino
College/Division IT Manager ......................... Kirk Henry
Senior Multimedia Specialist ....................... Calstton Llwellyn
Director, Academic Advising ....................... Helen Hill
Coordinator, Academic Advising Services II .... TBA
Associate Vice President, Business Affairs ....... and Operations .......................... David Laney
Administrative Assistant............................. Jeanette Holder
Director, Academic Support Services .............. Joe Schofield
Director, Library Services ......................... Cynthia Kisby
Senior Art Specialist .................................. Mary Lou Wade

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

UCF Daytona
Assistant Vice President and Director, Daytona Beach Campus ................. Linda Bradley
Director, Academic Support Services ............... Jason Brewer
Administrative Assistant ............................ Bonnie Marsh
Director, Regional Campus Student Services ...... Diana Weidman
Assistant Director, Enrollment Services ............ Raphel Robinson
Senior Admissions/Registrar Officer ............... Sheri Newble-Dunn
Coordinator, Academic Services I .................. Tina Davis
Coordinator, Academic Advising Services II ..... Darryl Greeley
Coordinator, Academic Advising Services III .... TBA
Coordinator, Academic Advising Services IV ...... 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 ......................... David Mealer
Coordinator, Academic Support Services ........... Sean Armstrong
Administrative Assistant ............................. Debbie Copertino
Coordinator, Enrollment Services .................. Pamela Williams
Coordinator, Academic Advising Services I ........ Jackiie West-Lee
Coordinator, Academic Advising Services II ...... Andrea Velez-Vazquez
Coordinator, Academic Advising Services III ... Michelle Camden
Department IT Manager ............................... Jerry Frano

UCF Cocoa, UCF Palm Bay
Associate Vice President, Academic and Interim Campus Director, Cocoa/Palm Bay ?? Denise Young
Director, Academic Support Services ............... Lauren Miller
Director, 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 Piantoni
Assistant Director, Academic Support Services .... Sonya Curts
Coordinator, Academic Advising Services I ........ Angel Edgecombe
Coordinator, Academic Advising Services II ...... Angela Jones
Coordinator, Academic Advising Services III ... Shakira Guice
Coordinator, Academic Advising Services IV ..... John King
Coordinator, Academic Advising Services V ..... Sheryl Schagen
Department IT Manager ............................... Sue Sorensen

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

UCF Coca
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.S.) College of Health and Public Affairs
Nursing (B.S.N., R.N. to B.S.N.) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Sociology (B.A.) College of Sciences
Social Science (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

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

Graduate Degree Programs

Applied Sociology (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
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
Elementary Education (B.S.) College of Education
Exceptional Student Education (B.S.) College of Education
Industrial Engineering and Management Systems (B.S.) College of Engineering and Computer Science (Cohort)
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
University of Central Florida/Campuses

Undergraduate Minors
Clinical Psychology (M.A.)
Sociology
Social Sciences - Interdisciplinary
Religious Studies
Psychology
Political Science
Organizational Communication
Legal Studies
Interpersonal Communication
History
Math
Health Services Administration
History
Legal Studies
Math
Political Science
Psychology
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
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
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
Appli...
Central Florida Research Park

The Central Florida Research Park, adjacent to the main UCF campus, is a University-related research park established as a result of legislation passed by the Florida Legislature in 1976. The Research Park is a cooperative effort between UCF, the Orange County Research and Development Authority, and the Orange County Board of County Commissioners (which appoints the members of the Authority). The governing body of the Research Park is the Orange County Research and Development Authority.

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

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

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

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

Endowed Chairs

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

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

Charles N. Millican Chair in Computer Science: Created in 1983 and dedicated to probing the frontiers of computer science, with emphasis on the direction 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. Bushey.

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

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.
University of Central Florida/Campuses

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.

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

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

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

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

Beat M. and Jill L. Kahli Endowed 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. Philips School of Real Estate. Chair: Geoffrey K. Turnbull.

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

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

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

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

FL Hospital Endowed Chair in Nursing Simulation: Created in 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 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 Science 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 arbiter 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 timely response to requests from students, faculty, and staff; and to maintain accurate and effective computer records for advisement and graduation certification.
International Services Center
Executive Director: Nataly Chandia
CMMS (Building #81); 407-823-2337
http://www.intl.ucf.edu/

The International Services Center (ISC), 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 assistance. Programming includes: orientation, welcome week activities, employment and tax workshops, holiday celebrations, and International Education Week events. From orientation to graduation, ISC strives to enhance the overall educational experience at UCF for its international students and scholars and to increase cultural awareness and understanding on campus. ISC also works with UFC 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 “Enchanced 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 mechanisms that include 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.it.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; 407-823-2354
http://library.ucf.edu

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 cybercafe named Infusion offers food and beverage items, 34 desktop, 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 toll-free at 866-271-7589. The Libraries supports the development of information literacy skills through the provision of InfoLit modules, http://infolit.ucf.edu, which provide just-in-time instruction for students on topics such as citing resources and plagiarism. Faculty can include the modules in coursework as well.

The Interlibrary Loan and Document Delivery Services Department (ILL/DDS) assists students in obtaining materials not owned by the UCF Libraries. Most books, videos, audio works, government documents, photocopies, and microforms can be obtained. Most interlibrary loans and document deliveries are available within 7 to 14 business days. Charges are based upon the distance between libraries. An interlibrary loan application form is available at the website: 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 Classroom Reservations 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 such as 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, Kissimmee, 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/Services/DistanceServices.asp and the Regional Campus Libraries page http://library.ucf.edu/BranchCampuses/Locations/. UCF librarians provide in-person service at partner campuses in Cocoa, Palm Bay, Daytona, Clermont, and Sanford as well as at other partnerships sites by appointment.

All locations provide electronic access to library and University resources on the Web. Courier and intercampus loan services make the main campus library’s collections 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 main faculty and staff facultycounselor and multimedia production facilities for their teaching and research needs. OIR staff can provide ETD support 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.

Intercollegiate Athletics
Director: Keith Tribble
WD2: 407-823-2261
http://www.UCFAthletics.com

Programs in intercollegiate 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. Intercollegiate athletics contests are governed by the rules of play published by NCAA and all established eligibility standards are observed. UCF’s current intercollegiate 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 rivalry any in the country.

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

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

Campus Bookstores
UCF’s main campus is home to two Barnes & Noble bookstores.

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

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

Parking and Transportation Services
Director: Kris Singh
Visitor and Parking 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.
UCF also has an on-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 used as complete modules, or as a complement to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in Austria, France, Italy, Japan, Spain and Taiwan; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica, Russia and the United Kingdom; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Italy.

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. Interned participants investigate their choices, the requirements and the implications that each choice has in terms of cost, credit transferability and progress toward graduation. OIS staff members can provide program advice and general information about options. For up-to-date information, please visit http://www.studyabroad.ucf.edu or contact OIS at 407-882-2300.

Experiential Learning (Office of), Undergraduate Studies
Director: Sheri Dressler
CSEL 300; 407-823-2687
E-mail: OEL@ucf.edu
http://www.expllearning.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-
tion and evaluation, and available for non-credit or credit when it will count in a student’s academic program. The Co-op program at UCF is accredited, one of the largest in the country, and recognized nationally as a model for quality and benefits to students.

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

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

National Consortium for Academics and Sports (NCAS)
Director: Suzi Katz-Slowinski
BA2 223; 407-823-3555
http://www.ncasports.org

The mission of the Southeast Regional Office of the National Consortium for Academics and Sports (NCAS) at the University of Central Florida is to help create a better society by focusing on educational attainment and using the power and appeal of sport to positively affect social change.

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

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

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

Division of Continuing Education
Assistant Vice President/Director: TBA
University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0260, Fax: 407-882-0244
http://www.ce.ucf.edu

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

Off-Campus College Credit Programs
Assistant Vice President/Director: TBA
University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0260, Fax: 407-882-0244
http://www.ce.ucf.edu

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

Executive Development Center
Academic Director: 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: fcsi@mail.ucf.edu

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between Florida and the Province of Quebec. FSI is located at the University of Central Florida and serves as a laboratory to perform field experiments. This site for launching sub-orbital rockets to space. Additionally, we utilize the Space Center as a laboratory to perform field experiments. The Florida-Canada Linkage Institute is a Florida-based research and development institute. It has gained national and international respect for its programs on photovoltaics, solar thermal systems, energy-efficient buildings, advanced cooling technology, hydrogen and fuel cells, and the testing and certification of solar equipment. The Florida-Canada Linkage Institute 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 Fentress
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 located in Brevard County at the University of Central Florida. FSEC has gained national and international respect for its programs on photovoltaics, solar thermal systems, energy-efficient buildings, advanced cooling technology, hydrogen and fuel cells, and the testing and certification of solar equipment. The Florida Solar Energy Center 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 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 Florida Institute for Simulation and Training (IST) is established to conduct research and develop technology that advances the state of the art inordable 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 new ways to model 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 Florida Institute for Simulation and Training as part of a Center of Excellence for Simulation and Training.

IST laboratories, research and development. IST is the home of the U.S. Office of Naval Research’s Program for Scientific and Engineering Research in the Social Sciences (SPR-SE); the U.S. Army’s Program for Human-Agent Interaction; and the U.S. Air Force’s Office of Scientific Research. IST also is home to the 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 and devices 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/adjusted 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*

*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**

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

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

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

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

As one of the nation’s largest public universities, UCF has a wonderful history of growth, diversity, service, and achievement in academics, campus life, research, economic development, community service, and partnerships with many constituents 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.ikm.ucf.edu

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

Institutional Research (IR)
Associate Director: Patricia Ramsey
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061
E-mail: iroffice@mail.ucf.edu
http://www.iroffice.ucf.edu

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

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

Operational Excellence and Assessment Support (OEAS)
Director: Patrice Lancey
Research Pavilion, 12424 Research Parkway, Suite 225, Orlando 32826; 407-882-0275
http://www.oeas.ucf.edu

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

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

News and Information
Assistant Vice President: Grant J. Heston
Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5988

The Office of News & Information is the university’s primary communications department, focusing on public and media relations, strategic internal communications, issues management and public affairs and emergency communications and preparedness. Staff members serve as the university’s official spokespersons and consistently offer high-quality, innovative and timely communications services to promote and enhance UCF’s reputation.

Regional Campuses Enrollment Services, Marketing and Outreach
Associate Vice President: Angé Peterson
University Towers, 12201 Research Parkway, Orlando 32826; 407-823-4547
http://regionalcampuses.ucf.edu

Regional Campuses works in partnership with the Division of Strategy, Marketing, Communications, and Admissions to provide services to regional campus students. The office centralizes multiple functions with multiple sites to accommodate the access, convenience and value of attending the UCF Regional Campuses for degree completion.
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. 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 exceptions 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. If their admission status revoked, they will be classified as non-degree or transient status, may become ineligible for financial assistance, and may, in some cases, be withdrawn from the University. In addition to the required documentation mentioned above, students must have a satisfactory conduct record at all schools attended.

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 with the Office of Undergraduate Admissions. Applicants should complete the Reactivation Form by the published application deadline date. This form can be found online at 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 the future term.

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

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

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

A. Freshman (First-Time-In-College: FTIC)
B. Dual Enrollment/Early Admit (includes early admission and dual enrollment, on- or off-campus)
C. Transfer*
D. Second Bachelor’s Degree
E. Transient (one term enrollment only, not from a Florida public 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-degrees) 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/.
***Students who have already earned a bachelor degree and wish to attend as non-degree seeking should follow the procedure through the Graduate Admissions Office located at http://www.admissions.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 may be required to submit a Test of English as a Foreign Language (TOEFL) or an International English Language Testing System (IELTS) score.

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

Academic Subjects

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<tr>
<th>Units Required</th>
<th>Academic Subjects</th>
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<tbody>
<tr>
<td>4</td>
<td>English (three of which must have included substantial writing)</td>
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<tr>
<td>4</td>
<td>Mathematics (at or above the Algebra I level)</td>
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<tr>
<td>3</td>
<td>Natural Science (two of which must have included substantial laboratory requirements)</td>
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<tr>
<td>3</td>
<td>Social Science (included: history, civics, political science, economics, sociology, psychology, and geography)</td>
</tr>
<tr>
<td>2</td>
<td>Foreign Language (both credits must be in the same language)</td>
</tr>
<tr>
<td>2</td>
<td>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</td>
</tr>
</tbody>
</table>
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:  

<table>
<thead>
<tr>
<th>HS GPA</th>
<th>SAT or ACT</th>
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<tr>
<td>2.0</td>
<td>1680</td>
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<td>2.1</td>
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<td>2.9</td>
<td>1390</td>
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<tr>
<td>3.0</td>
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</table>

*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](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 agreement states that except for limited access programs, admission as a junior to the upper division of the University shall be granted to any graduate of a state-approved Florida community college or State University System institution who transfers directly to UCF (see Rule 6A-10.024), who has completed the university parallel program; and who has received the Associate in Arts degree, which includes all of the following:

- 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);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
3. Transfer of equivalent courses under the statewide Course Numbering System;
4. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, PEP, Dual Enrollment, Early Admission, and International Baccalaureate).
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;
- 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 procedure and must meet the same admission requirements as transfer applicants. Please see the details on the previous page for transfer applicants. Meeting minimum admission requirements does not guarantee admission.

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

International Applicants

The University of Central Florida is authorized under federal law to enroll students on non-immigrant visas. All international candidates applying for admission to UCF must submit a University of Central Florida Undergraduate Admissions Application online at http://www.admissions.ucf.edu. Because of anticipated 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 admissions application form with the required $30.00 non-refundable application fee (check or money order in U.S. currency). An online application is available on our website at http://www.admissions.ucf.edu.
- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation and a GPA computation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on this evaluation.
- If the student has attended any international universities, an English translation and evaluation of work completed at each institution will be necessary. Transcripts should be sent to one of the agencies below for a course-by-course evaluation. Please note that if 60 or more credit hours have been earned at a post-secondary school institution, it will not be necessary to submit the secondary school records.
- Results of the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) may be required of students whose first language is not English. Information can be obtained from TOEFL at http://www.toefl.org or IELTS, http://www.ielts.org.
- Results of the SAT or ACT will be required if the student has earned less than 60 credit hours of college credit. Information regarding these examinations may be obtained from the College Board (SAT) at http://www.collegeboard.org or from ACT at http://www.act.org. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

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 with the International Services Center. 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.jaliny.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. 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.
Office of Student Financial Assistance

Executive Director: Mary H. McKinney
MH 120; Switchboard: 407-823-2827, Appointment: 407-823-5285,
Fax: 407-823-5241
E-mail: finaid@ucf.edu
http://finaid.ucf.edu

Office Hours:
Monday: 9:00 a.m. - 5:30 p.m.
Tuesday, Wednesday, Friday: 9:00 a.m. - 5:00 p.m.
Thursday: 1:00 p.m. - 5:30 p.m.
(Hours subject to change during holidays and semester breaks.)

The mission of the Office of Student Financial Assistance is to provide UCF students and the University community comprehensive quality service by offering options for financial assistance and efficient delivery of aid. Financial aid counseling is available by appointment. Due to confidentiality, counseling by phone and 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 Rights and Responsibilities

Students have the right to full information about the financial aid programs available at UCF, our application procedures, aid deadlines, and the criteria used to determine a financial aid package. Students have the right to appeal decisions made by the Office of Student Financial Assistance. Students also have the right to equitable treatment of their financial assistance applications. Although each student’s case is analyzed individually, eligibility standards are applied uniformly without regard to race, gender, religion, creed, national origin, or physical handicap. All students’ records are confidential. It is the student’s responsibility to review and understand all information and instructions, meet all deadlines, and provide all information and documentation accurately. Errors and omissions can cause delays and prevent students from receiving assistance. Misrepresentation is a violation of the law.

Student Eligibility

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

Application Priority Date

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

- If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal 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 a grant before a loan is offered;
- Respond promptly to all information requests;
- If there are extenuating circumstances or problems at any time, call the appointment line, 407-823-5285, to meet with a counselor;
- Comprehensive 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>Financial Aid Programs Available at UCF</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

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 contingencies such as contingent admission status, less than minimum hours enrolled, lack of academic progress, changes needed due to Verification, incomplete files, additional resources, etc.

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

Admission to UCF must be finalized with no contingencies. Students must be classified as degree-seeking. Verification, if required, must be completed. Students must meet the Standards for Satisfactory Academic Progress. If all eligibility is met, financial aid funds may be disbursed.

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

Deferrals of Tuition and Fees

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

<table>
<thead>
<tr>
<th>Estimated Cost of Attendance for 2011-2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Undergraduate Students</strong></td>
</tr>
<tr>
<td>Fall/Spring based on 14 hours per term</td>
</tr>
<tr>
<td><strong>Florida Residents</strong></td>
</tr>
<tr>
<td>Living Arrangement</td>
</tr>
<tr>
<td>Tuition and Fees</td>
</tr>
<tr>
<td>Books</td>
</tr>
<tr>
<td>Room &amp; Board</td>
</tr>
<tr>
<td>Transportation</td>
</tr>
<tr>
<td>Personal Expenses</td>
</tr>
<tr>
<td><strong>Total Costs</strong></td>
</tr>
</tbody>
</table>
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).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Maximum UCF Hours Allowed For Completing Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td></td>
</tr>
<tr>
<td>All Freshman</td>
<td>180 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Sophomores</td>
<td>135 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Juniors</td>
<td>90 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Seniors</td>
<td>45 Attempted UCF Hours</td>
</tr>
<tr>
<td>Second Degree</td>
<td>60 Attempted Hours</td>
</tr>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist Degree-Seeking</td>
<td>100 Attempted Hours (Including all Graduate Hours)</td>
</tr>
<tr>
<td>Doctoral</td>
<td>120 Attempted Hours (Including all Graduate Hours)</td>
</tr>
</tbody>
</table>

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 currently serving on active duty in the U.S. Armed Forces for purposes other than training;
- you are a Veteran of the U.S. Armed Forces. ("Veteran" includes students who attended a U.S. Service Academy and who were released under a condition other than dishonorable.)
- at age 13 or older, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
- you are an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless;
- you were determined, by the director of an emergency shelter program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless; or,
- you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless.

Classification Maximum UCF Hours Allowed For Completing Degree

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Maximum UCF Hours Allowed For Completing Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Freshman</td>
<td>180 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Sophomores</td>
<td>135 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Juniors</td>
<td>90 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Seniors</td>
<td>45 Attempted UCF Hours</td>
</tr>
<tr>
<td>Second Degree</td>
<td>60 Attempted Hours</td>
</tr>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist Degree-Seeking</td>
<td>100 Attempted Hours (Including all Graduate Hours)</td>
</tr>
<tr>
<td>Doctoral</td>
<td>120 Attempted Hours (Including all Graduate Hours)</td>
</tr>
</tbody>
</table>
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.

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, 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.

Student Tuition and Fees

<table>
<thead>
<tr>
<th>2010-2011 Fee Schedule*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida Resident</td>
</tr>
<tr>
<td>Fees Per Credit Hour</td>
</tr>
<tr>
<td>(0000-4999)</td>
</tr>
<tr>
<td>Tuition</td>
</tr>
<tr>
<td>Differential Tuition</td>
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<tr>
<td>Out-of-State</td>
</tr>
<tr>
<td>Building Fee</td>
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<tr>
<td>Capital Improvement Fee</td>
</tr>
<tr>
<td>Financial Aid Fee</td>
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<tr>
<td>Non-Resident Financial Aid Fee</td>
</tr>
<tr>
<td>Activity and Service Fee</td>
</tr>
<tr>
<td>Athletic Fee</td>
</tr>
<tr>
<td>Health Fee* (per hour)</td>
</tr>
<tr>
<td>Transportation Access Fee*</td>
</tr>
<tr>
<td>Technology Fee</td>
</tr>
<tr>
<td>Total Per Hour Fees</td>
</tr>
</tbody>
</table>

*Fee charged to main campus and Rosen College courses only.

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.

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.”
Student Tuition and Fees

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 pay- ment 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- tion.
  - Payments made at any time on day of the published fee pay- ment deadline through 11:59 P.M. Eastern Standard Time will be considered on time.

E-Pay process:
- Sign in to 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- vide you your schedule, the charges, the Amount Due and deferral- rals.
  - Write down the Amount Due as you will need that amount once you are on the E-Pay system.
  - Scroll down to the bottom of the page and click the link to Due Charges/E-Pay. Enter Payment Amount in the empty box next to the actual charge.
  - Click on Continue and then follow the Payment Gateway instructions for the method of payment.

Mailed payments: (Please do not send cash)
- Include student’s name and PID# on checks or money orders
- (Make check payable to University of Central Florida)
- 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- dents 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- dures. 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- ered under the plan. All fees not covered by the plan are due by the fee payment deadline. If the student does not wish to utilize the Florida Prepaid Tuition Plan, the student must notify the Student Accounts Services by submitting a Florida Prepaid Tuition Plan Procedures form 41-905 request not to bill FFP on or before the first day of the Drop/Swap and Late Add period. Submit written request as a scanned attachment in an e-mail or by fax.

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 or the 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: http://www.ufl.edu/cf/ and click Forms. Then click on Student Services. Scroll down to Florida Prepaid Tuition Plan Procedures.

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.

http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term. 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 teach- ing 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. Please submit waiver forms by the last day of the Late Add Period. Employees who submit a waiver form after each term’s fee payment deadline may incur a $100.00 Late Payment fee. See the Academic Calendar http://www.registrar.sdes.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- stitute for preferred courses that are currently filled. Courses that are not listed on the waiver form cannot be waived.

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.

http://www.registrar.sdes.ucf.edu/calendar/academic/ for each term. 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 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 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. Please submit waiver forms by the last day of the Late Add Period. Employees who submit a waiver form after each term’s fee payment deadline may incur a $100.00 Late Payment fee. See the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ each term for the fee payment deadlines. Employees may obtain the “State of Florida Employees 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- stitute for preferred courses that are currently filled. Courses that are not listed on the waiver form cannot be waived.

http://www.registrar.sdes.ucf.edu/calendar/academic/ each term for the fee payment deadlines. Employees may obtain the “Employee Tuition Waiver Program” form, policy and instructions from either the Human Resources web site at http://www.hr.ucf.edu/web/forms/benefits/tuitionwaiver.pdf or the Registrar’s Office website at http://www.ucf.edu/forms/employee_waiver/. Students are encour- aged to list alternate courses on their waiver form to substitute for
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 determine residency for all first-time-on-campus students; thereafter, the Registrar’s Office will review student requests for changes in residency for undergraduate students. The College of Graduate Studies will review student requests for changes in residency for graduate students. A first-time-on-campus student will be classified according to the information he or she includes on the application for admission, providing that no other information is available that calls into question the information contained on the application.

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

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

Submit the following documentation (or in the case of a dependent student, the parent must submit documentation) prior to the 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 date that the Clerk of the Court notes that the declaration was sworn and subscribed to them.)
   b. Proof of purchase of a home in Florida in which the student resides;
   c. Proof of ownership in Florida (e.g., real estate, property records);
   d. Employment records, or other 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;

g. Proof of membership in or affiliation with community or state organizations or significant connections to the State;

h. Proof of continuous presence in Florida during periods when not enrolled as a student;

i. Proof of former domicile in Florida and maintenance of significant connections while absent;

j. Proof of reliance upon Florida sources of support;

k. Proof of domicile in Florida of family;

l. Proof of admission to a licensed practicing profession in Florida;

m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual;

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

3. No contrary evidence establishing residence elsewhere;

4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)

Or

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

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

Or

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 domicile is Florida; or

Be a United States citizen living on the Isthmus of Panama who has completed 12 consecutive months of college work at the Florida State University Panama Canal Branch, or a spouse or dependent,

Or

Be a graduate student of the Southern Regional Education Board’s Academic Common Market attending Florida’s state universities,

Or

Be a full-time employee of a state agency or political subdivision of the state when the student fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training,

Or

Be a U.S. Citizen who is a McKnight Doctoral Fellowship recipient,

Or

Be a qualified beneficiary under the Florida Pre-paid Post-secondary Expense Program per s.240.551(7)(a).

Or

Be an active duty member of the Canadian military residing or stationed in this state under the North American Air Defense (NORAD) agreement, or a spouse or dependent,

And

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

Residency Reclassification

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

To request a residency review, the student must submit a completed “Residency Reclassification Application and Affidavit” and supporting documents to the Registrar’s Office (MH 161) or Graduate Studies (MH 230). This form is available either at the Registrar’s Office or online at http://registrar.ucf.edu. This form must be accompanied by 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, Undergraduate Policy requires residents requesting residency reclassification to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar’s Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

When building a case for Florida residency for tuition purposes, the student must submit documents from a variety of categories. Students may consult the Registrar’s Office before submitting the reclassification request and supporting documents. The submission of documents in itself does not qualify the student for Florida residency for tuition purposes. The Registrar’s Office will evaluate the submitted documentation and available information and will render an eligibility determination.

UCF is authorized to make discretionary judgments as to residency within the bounds of the law and in reaching this professional judgment will evaluate all documents submitted and information available. No single document shall be conclusive.

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

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

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

UCF is authorized to make discretionary judgments as to residency within the bounds of the law and in reaching this professional judgment will evaluate all documents submitted and information available. Students who feel an erroneous decision was made regarding their residency reclassification may request an appeal in writing to the UCF Residency Appeals Committee through the Registrar’s Office.
Division of Student Development and Enrollment Services (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 Scarinno
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
E-mail: career.ucf.edu
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 enrolls children of university students, employees of the university, and community members. Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday.

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 consultations 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 by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation session prior to registering for classes. Students register for the program by visiting the First Year 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, sisterhood/brotherhood. It encompasses small group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council (PAN), Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council). Sororities or fraternities can offer students a "home away from home," a scholastic support system, networking opportunities, an organization for community service, hands-on experience in running a working entity, and a foundation for long-lasting friendships. You can follow what's happening within the Greek community via our Facebook page or on Twitter. Currently we have 44 fraternities and sororities on UCF's campus with more than 3,000 active Greek students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background.

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

Health Services (HS)
Director: J. Robert Wirag
HC 309; 407-823-2094
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 contract 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 eligible for 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 HealthCare Student Resources and may be purchased by enrolling at (http://www.gallagherkoster.com/FloridaUSystem). 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, restorative and cosmetic dental services by appointment at 407-823-1635. The Dental Center accepts Dental Insurance PPO plans and the financial counselor can assist with payment for various treatment plan options.

The UCF 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 credit 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 will receive assignments in double room suite style residence halls. Single bedrooms in apartments are available in the Towers at Knights Plaza located on the Orlando main campus or the Rosen College of Hospitality Management Student Apartments.
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.

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

Multicultural Academic and Support Services (MASS)
Director: Wayne Jackson
PH 102; 407-823-2716
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, Seizng 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)
Assistant Vice President, Student Development and Enrollment Services: Jimmy Watson
HAB 101; 407-823-6505
http://www.housing.ucf.edu/offcampus/

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 UCSF students who live off campus with information regarding a variety of on-campus programs and services. OCSS-SNRRR fosters a supportive environment for off-campus students by providing an advocacy for resolving problems, “on the spot” or to obtain campus referrals, and explore 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 208; 407-823-6471
E-mail: Michael.Preston@ucf.edu
http://www.GetInvolvedUCF.com

The mission of the Office of Student Involvement (OSI) is to provide quality programs, services, and leadership opportunities that enrich students’ academic endeavors. 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, Knighcast, 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, Student Development and Enrollment Services and Director: Patricia A. MacKown
FC 142; 407-823-6960
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 responsibility, professional and resiliency 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. 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 142; 407-823-3477
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.

Office of Student Conduct
Director: Dana Juntunen
FC 142; 407-823-4638
http://www.osc.sdes.ucf.edu

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

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

Student Legal Services
Associate General Counsel: Patricia Dullaghan
FC 142; 407-823-2538
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, uncontroverted 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 208; 407-823-4165
E-mail: rebekah.mccloud@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.
Registrar’s Office
University Registrar: Brian C. Boyd
MH 161; 407-823-3100, Registration HelpLine: 407-823-3533
E-mail: registrar@ucf.edu
http://www.registrar.sdes.ucf.edu

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

Rule interpretation.

Student’s campus life needs are met at the Rosen College of Hospitality Management and publication of course offerings, procedures campus-wide through cooperation, communication, and academic records and coordinates and enforces University policies and stores. The office maintains the integrity of student permanent academic records and provides advising support 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.

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, 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; 407-823-5130
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 (TTY/TDD calls only phone 407-823-2116).

Student Government Association (SGA)
Advisors: Michael Preston and Kerry Welch
SU 214; 407-823-2191
http://www.ucfsga.com

The Student Government Association’s purpose is to represent student views on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, the Student Government Association also provides numerous services that affect student life. These services include free printing in the SGA Computer and Express Printing labs, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center and Sport Club Council, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, 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.

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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 weeks to two years. The focus is to provide a variety of programmatic options that recognize students have different needs, time constraints, and levels of interest.

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

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

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

Student 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 Jeffrey’s Coffee and Greens salad bar, Balagan 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, KnightStop 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, Union Mail, Campus Test Services, ATMs from SunTrust, 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; 407-823-5995
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 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 Resource Center, Student Disabilities Services, 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 deferment 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 community college or university, 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 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.

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

<table>
<thead>
<tr>
<th>Housing</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ reviewed OCSS handbook: Survival Guide for Living off Campus</td>
<td>Y___ N___ met cumulative GPA in courses taken for program of study</td>
</tr>
<tr>
<td><em><strong>/</strong></em> date application sent (include deposit when required)</td>
<td>Y___ N___ met grade requirements for designated courses</td>
</tr>
</tbody>
</table>

**Orientation:** _/___ Orientation date at UCF

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Common Program Prerequisites: To view generic course substitutions for Common Program Prerequisites that may be offered at the community colleges or other state universities, please go to:

http://www.facts.org > College Students > Transferring > Common Prerequisite Manual. Usually these courses will be substituted automatically in your audit to fulfill the correct requirement.

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

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

When Do I Pay My Bill?

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

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

Can Transfer Students Participate in The Burnett Honors College?

Qualified students who transfer to UCF with an honors A.A. from a Florida 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, including an original research project. Transfer students who apply for admission to departmental honors programs must have a minimum GPA of 3.5 in their major. Successful completion of either honors program will be noted on your transcripts and diploma. For more information, call 407-823-2076 or visit the honors website at http://honors.ucf.edu.

Transfer Tips:

Office Visits for Transfer Advising

- Students are encouraged to contact Transfer and Transition Services with questions or to schedule an appointment to meet with an advisor. Advising is 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.
- Complete the “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; and,
   d. Information about key academic policies and important deadlines.

2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL, LEARN Living Learning Community, STEP, 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:

1. 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 Kolburn Hall (CNH) 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;
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 advisor 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 courses (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. Meet the COHPA Undergraduate Student Services (HP2A, 115) during the first few months of each semester to check selection of program courses, assignment of a faculty advisor, and progress toward graduation.
2. View a Degree Audit through myUCF frequently to check progress toward course requirements;
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 HP2AZ, room 335 every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor each semester to check on possible career and research opportunities;
3. See an advisor in the Office of Student Services and Advisement (OSSA) if pending major for limited-access Medical Laboratory Sciences program during the first few weeks of each semester to check progress toward eligibility for application to the major.

4. View a Degree Audit, registration time, and search for classes (once the class schedule is available) through myUCF.

5. Register for courses at the scheduled appointment time.

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 curricula includes many courses required for admission to most professional schools.

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

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

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

Curricula Guidelines
All pre-health professions students are strongly encouraged to enroll in SLS 2311 (Overview of 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:

<table>
<thead>
<tr>
<th>General Biological Sciences</th>
<th>PCB 3063</th>
<th>PCB 3080</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genetics</td>
<td>BSC 2010C, 2011C*</td>
<td>BSC 2011C</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>CHM 2045C, 2046, 2046L</td>
<td>CHM 2046</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>CHM 2210, 2211, 2211L</td>
<td>CHM 2212</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>BCH 4053</td>
<td>BCH 4053</td>
</tr>
<tr>
<td>Biochemistry/Molecular Lab</td>
<td>BCH 4103L or BSC 3403C</td>
<td>BCH 4103L</td>
</tr>
<tr>
<td>Microbiology</td>
<td>MCB 3020C</td>
<td>MCB 3020C</td>
</tr>
<tr>
<td>Calculus</td>
<td>MAC 2253 (prefer MAC 2311, 2312</td>
<td>MAC 2311</td>
</tr>
<tr>
<td>Physics</td>
<td>PHY 2053C, 2054C</td>
<td>PHY 2053C</td>
</tr>
<tr>
<td>Statistics</td>
<td>STA 2023</td>
<td>STA 2023</td>
</tr>
</tbody>
</table>

*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.
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 midterms for the Fall semester and Summer and Fall Registrations begin following the midterms 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/weg/.

Terms and Credit Hours
The University of Central Florida academic schedule consists of two semesters (Fall and Spring), and the Summer term. The graduation credit hours 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 out of class student work for each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time; or
(b) At least an equivalent amount of work as required in paragraph (a) of this definition for academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Undergraduate Enrollment Status Credit Hours
Full Time 12 or more
Three Quarter Time 9-11
Half Time 6-8
Less Than Half Time less than 6

Note: Graduate and post-baccalaureate students please refer to the online Graduate Catalog for enrollment status policies.

Credit Hour Limits
Undergraduate students are limited to 14 credit hours for the Summer term and to 17 credit hours for the Fall and Spring semesters. The department chair and college advising office must approve overloads. Overloads may be processed at the college advising offices.

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 the hold is required before a release can be given. Students may check for holds on the myUCF system at https://my.ucf.edu under the Student Self Service link. To obtain a release for financial holds, payment to the Cashier’s Office must be made either in cash, credit card, cashier’s check, or money order.

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the “Academic Calendar”). Drop/Swap or Add may be done using the myUCF system (https://my.ucf.edu) or in the college advising offices. After the Drop-Swap period, no course may be dropped without being fee liable. Courses meeting for the first time after the end of the Drop/Swap or Add period may be dropped the next business day in the Registrar’s Office, MH 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or will be fee liable and receive a grade.

For withdrawal after the Drop-Swap period, refer to the “Withdrawal Policy” of the Undergraduate Catalog. Please consult the Academic Calendar for Drop, Add, and Withdrawal deadlines.

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 “Senior Citizen Fee Waiver Form,” 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
- Continuing Education
- 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 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 graduate 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, visiting the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5652. Faxed requests must be received by 5:00 p.m. on the last day to withdraw and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students may also mail a written request to the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped or postmarked before the published withdrawal deadline and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to withdraw in person must sign the request and must provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. 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 visit 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 courses 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 for any subsequent semester until the University can determine 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 fee liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of “WF” or “W” will be recorded. A grade of “WF” will affect the calculation of the student’s grade point average. Students who apply for a medical withdrawal after Fall semester has already begun may be dropped from their courses because there is no evidence that they have addressed the medical condition for which the withdrawal was requested.

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>Grades</th>
<th>Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
</tr>
<tr>
<td>A+</td>
<td>3.25</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
</tr>
<tr>
<td>C+</td>
<td>2.25</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<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>
<tr>
<td>*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.</td>
<td></td>
</tr>
</tbody>
</table>

Legend Action | Grade Point |
-------------|-------------|
I             | Incomplete  |
N             | No grade reported by instructor |
R             | Repeated course (Grade Forgiveness) |
S             | Satisfactory (w/credit)/Satisfactory Progress |
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) |

The designation of “N” will be assigned temporarily by the Registrar’s Office only in the case when a grade has not been submitted by the faculty by the grade submission deadline. The designator will be replaced by the earned letter grade at the earliest opportunity in the term that immediately follows and prior to graduation. The “N” designator may not be assigned by the instructor.

In the event of academic dishonesty, faculty members may assign a Z in front of a final course grade on a students academic record. For further information regarding the addition, removal and appeals process of the Z designation, see http://z.ucf.edu.

The Grade Point Average (GPA) is 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 credit hours attempted, less hours resulting from NC, W, WP, and I grades. GPA is recalculated after each term; for Summer GPA is recalculated only after all Sessions and end of term. The GPA for graduation requirement is a minimum UCF 2.0 ("C").

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 = 56.25
   - Term grade points / 13 credit hours = 4.33 GPA for that term.

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 162/54= 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 competitions, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be logged 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).
Graduate:
Any student enrolled in graduate courses who has been admitted to a graduate program.

Other Student Classifications:
Auditor:
A student registered for any credit course who is not seeking credit.

Co-op Student:
A student enrolled in the Center for Cooperative Education and Applied Learning Program remains a registered student during all off-campus assignment semesters. Furthermore, there is no lapse in continuity in the co-op academic calendar: a co-op student either is on assignment or attending class during each term.

Special Student:
A student of demonstrated academic ability who does not meet the regular requirements for admission (Early Admission, non degree-seeking, transient, and auditor).

Temporary:
A student who applied before the deadline and who is permitted to register and attend class pending completion of the admission file.

Transient:
Students temporarily registered (for one term) at UCF with the approval of another university or college where they are regularly enrolled, or a UCF student temporarily in attendance at another university or college, with the approval of UCF. A UCF student may not be enrolled as a Transient student in another institution in the term in which the baccalaureate degree or the A.A. degree is to be awarded.

Limited Non-Degree Seeking:
A student earning credit, but not working on a degree program.

Provisional:
A student entering from a regionally unaccredited high school, college, or university may be admitted on provisional status where appropriate. By obtaining a minimum 2.0 GPA (“C” average) at the end of the first term of attendance, the provisional status will be removed. Earning less than a “C” (“2.0) average the first term would result in disqualification.

Academic Honors
President’s Honor Roll Certificate (Full-Time Award)
The President’s Honor Roll Certificate (Full-Time Award) is awarded in recognition of scholastic honors to degree-seeking undergraduate students who maintain a 4.0 GPA, complete 12 or more hours, excluding satisfactory/unsatisfactory course work, and did not earn any "I," "U," "N," "NC" or "WF" grades during a term.

President’s Honor Roll Certificate (Part-Time Award)
The President’s Honor Roll Certificate (Part-Time Award) is awarded in recognition of scholastic honors to degree-seeking undergraduate students who maintain a 4.0 GPA in two consecutive part-time terms. The student must complete at least 15 hours, with no more than 11 in each consecutive term, excluding satisfactory/unsatisfactory course work, and not earn any "I," "U," "N," "NC" or "WF" grades during a term. Hours utilized in the awarding of a President’s Honor Roll Certificate may not be utilized in the determination of a subsequent certificate.

Dean’s List
The Dean’s List is compiled in recognition of scholastic honors to degree-seeking undergraduate students who earn a minimum 3.4 GPA, complete a minimum of 12 credit hours, earn no grade less than “C” (“2.0) and no “I," "U," "N," "NC" or "WF" grades during a term.

Baccalaureate Honors and Diplomas
The University shall confer baccalaureate honors recognition on those students who have completed a minimum of 48 credit hours at UCF and who:
1. Attain an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;
2. Attain at least a 3.20 overall grade point average; and,
3. Honors awarded will be: Summa Cum Laude for those students in the upper 2.5 percent Magna Cum Laude for those students in the upper 5 percent, but not in the upper 2.5 percent Cum Laude for those students in the upper 10 percent, but not in the upper five percent.
Academic Regulations and Procedures

Repeted 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 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 receives an A.A. 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.

Honors in the Major
Please see “Honors in the Major” in the The Burnett Honors College portion of the Undergraduate Catalog.

Grade Forgiveness
Grade Forgiveness offers a student the opportunity to retake a course and earn a second grade that will be substituted for the previous grade. You may apply for Grade Forgiveness online at https://my.ucf.edu > Student Self Service > Student Center. Requests must be submitted no later than the withdrawal deadline for the term/session in which the student has registered for the course being repeated. Consult the web calendar at http://www.registrar.ucf.edu/calendar/academic/. The following policies apply:

1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeating courses both are taken at UCF;
4. All grades will remain on the student’s official transcript. The original course grade will be marked with a “T” to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an “R.” The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA;
5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made;
6. If a student applies for Grade Forgiveness and later withdraws, or receives an “I” grade or “NC” grade in the course, the attempt will count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;
7. UCF does not honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida Public Community College or State University. Grade forgiveness awarded within a bachelor’s degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida Public Community College or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;
9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once and;
11. With prior approval from the Dean’s office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).
Academic Regulations and Procedures

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.

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 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 Admission and Standards Committee. The appealing student must satisfy the following require-
ments 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-
stances 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 consec-
tive 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 calcu-
lat ing 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 next two terms that comprise the Academic Amnesty Program;
   c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); and,
   d. Complete and submit an Academic Amnesty Agreement to the Admission and Standards Committee.
2) The UCF Admissions and Standards Committee will determine a student’s eligibility for entrance into the Academic Amnesty Program. 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 status 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 12 months of the date the name change is requested must submit the form to the Human Resources Office (12565 Research Parkway). The “Change of Name” form is available from the Registrar’s Office at MH 161 or online at http://www.registrar.ucf.edu.

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 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 payments can be accepted only by the Cashier’s Office during that office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar’s Office (MH 161). Mail written requests for transcripts to: Registrar’s Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-6114. 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) Involuntary call to active duty; or,
4) Other emergency circumstances or extraordinary conditions.

Special Limitation: students who withdraw or fail a class due to extenuating circumstances may be granted an exemption only once for each class.

Financial Hardship:
Should include, but not be limited to, the following:

1) Qualification for federal need-based financial aid; or,
2) Other documented financial hardship may be considered.

For details, contact the Student Accounts Office (MH 107) at 407-823-2433.

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

Majors
The University assigns the major that the student indicated on the “Application for Admission or Readmission.” It is the student’s responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an “Undeclared” or “Undecided” major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a “Pending” category to the equivalent major (e.g., “Business Pending” to “Accounting”). If the new major is a different subject from the “pending” major (e.g., “Business Pending” to “History”), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. If they have not interrupted residency, students entering UCF in an “Undeclared” or “Undecided” category may retain their Catalog when initially selecting a major. 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.

Minors
A Minor is a complement to a bachelor’s degree program/major requiring at least 18 credit hours in a field. A student may declare a minor at any point during the first term of enrollment up to but no later than the online submission of the online “Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from a single UCF Undergraduate Catalog for which a student is eligible. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second degree is earned, certification will not be made at a later time even if additional courses have been completed. The “Undergraduate Minor Declaration/Change Form” is available at the college and school advising offices. Forms may be submitted in person 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 a 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 Certificate 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 secured in either a 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 what the student believes 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/hea/.
**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 Language (all modern languages)**

A score of 3 earns a minimum of one semester (min. 3 credits) credit for scores of four or higher in the subsidiary and higher level program areas. The table below labeled “International Baccalaureate” provides information related to the International Baccalaureate program credit.

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### INTERNATIONAL BACCALAUREATE

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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>College Composition</td>
<td>ENC 1101 and ENC 1102</td>
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<td>Educational Psychology, Introduction to</td>
<td>EDP 1002</td>
<td>SCI Found 2</td>
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<td>English Composition with Essay</td>
<td>ENC 1101</td>
<td>SCI Found 1</td>
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<td>English Literature</td>
<td>ENL 1000</td>
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<td>French Language</td>
<td>FRE 1120C</td>
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<td>German Language</td>
<td>GER 1120C</td>
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<td>History of the United States I: Early Colonizations to 1877</td>
<td>AMH 2010</td>
<td>SCI 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>SCI Found 1 or 3</td>
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<td>Human Growth and Development</td>
<td>DEP 2004</td>
<td>SCI Found 2</td>
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<td>Humanities</td>
<td>HUM 2250</td>
<td>SCI Found 2</td>
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<tr>
<td>Information Systems and Computer Applications</td>
<td>CGS 1077</td>
<td>SCI Found 2</td>
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<tr>
<td>Macroeconomics, Principles of</td>
<td>ECO 2013</td>
<td>SCI Found 1</td>
<td></td>
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<tr>
<td>Management, Principles of</td>
<td>MAN 2021</td>
<td>SCI Found 2</td>
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<td>Marketing, Principles of</td>
<td>MAR 2011</td>
<td>SCI Found 2</td>
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<td>Mathematics, College</td>
<td>MGF 1106</td>
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<td>Microeconomics, Principles of</td>
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<td>Precalculus</td>
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<td>SYG 2000</td>
<td>SCI Found 2</td>
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<td>Trigonometry</td>
<td>MAC 1114</td>
<td>SCI Found 1</td>
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<tr>
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<td>EUH 2000</td>
<td>SCI Found 1 or 3</td>
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<td>Western Civilization II: 1648 to Present</td>
<td>EUH 2001</td>
<td>SCI Found 1 or 3</td>
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</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 courses. In addition, this table delineates the minimum qualifying score and the UCF course for which each exam is taken or in a subsequent term; c) has not previously completed, failed, or received credit by UCF (transfer or otherwise) in a more advanced course in the examination area; and d) 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 subject 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>
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</tr>
<tr>
<td>Art and Design (A-Level)</td>
<td>ART 1906</td>
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</tr>
<tr>
<td>Art and Design (AS-Level)</td>
<td>ART 1906 and ART 1907</td>
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<tr>
<td>Biology (AS-Level)</td>
<td>BSC 1005/1005L</td>
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</tr>
<tr>
<td>Biology (A-Level)</td>
<td>BSC 1010C and BSC 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Business Studies (AS-Level)</td>
<td>GEB 211</td>
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</tr>
<tr>
<td>Business Studies (A-Level)</td>
<td>GEB 211 and GEB 2905</td>
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<tr>
<td>Chemistry (AS-Level)</td>
<td>CHM 1020/1020L</td>
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<tr>
<td>Classical Studies (AS-Level)</td>
<td>CLA 1010</td>
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<tr>
<td>Chemistry (A-Level)</td>
<td>CHM 1020C and CHM 2045C</td>
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<tr>
<td>Computing (AS-Level)</td>
<td>CGS 1073</td>
<td>MAT Found 2</td>
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<tr>
<td>Computing (A-Level)</td>
<td>CGS 1073 and CGS 1074</td>
<td>MAT Found 2</td>
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<tr>
<td>Design &amp; Technology (A-Level)</td>
<td>ETI 1482C</td>
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<tr>
<td>Design &amp; Technology (AS-Level)</td>
<td>ETI 1482C and ETI 1906</td>
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<tr>
<td>Economics (A-Level)</td>
<td>ECO 1000</td>
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<tr>
<td>Economics (AS-Level)</td>
<td>ECO 2013 and ECO 2023</td>
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<tr>
<td>English (A-Level)</td>
<td>ENC 1101</td>
<td>COM 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>
<td>Environmental Management (AS-Level)</td>
<td>EVR 1001C</td>
<td>SCI Found 2</td>
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<tr>
<td>French Language (A-Level)</td>
<td>FRE 1121</td>
<td>MAT Found 1</td>
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<tr>
<td>French Language (AS-Level)</td>
<td>FRE 1121 and FRE 2200</td>
<td>MAT Found 1</td>
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<tr>
<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
<td>MAT 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 (A-Level)</td>
<td>GEA 1000</td>
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<tr>
<td>Geography (AS-Level)</td>
<td>GEO 1200 and GEO 1400</td>
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<tr>
<td>German Language (AS-Level)</td>
<td>GER 1121</td>
<td>Subject to review by History Dept</td>
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<tr>
<td>German Language (A-Level)</td>
<td>GER 1121 and GER 2200</td>
<td>Subject to review by History Dept</td>
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<td>History (A-Level)</td>
<td>HIS 1906 (3 credits)</td>
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<tr>
<td>History (AS-Level)</td>
<td>HIS 1906 (6 credits)</td>
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<tr>
<td>Latin (A-Level)</td>
<td>LAT 1121C</td>
<td>Subject to review by History Dept</td>
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<tr>
<td>Latin (AS-Level)</td>
<td>LAT 1121C</td>
<td>Subject to review by History Dept</td>
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<tr>
<td>Marine Science (A-Level)</td>
<td>OCE 1001</td>
<td>MAT Found 1</td>
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<tr>
<td>Marine Science (AS-Level)</td>
<td>OCE 1001 and OCB 1000</td>
<td>MAT Found 1</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 (A-Level)</td>
<td>MUH 1001</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Music (AS-Level)</td>
<td>MUH 1001 and MUH 2011</td>
<td>SCI Found 1</td>
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<tr>
<td>Physics (A-Level)</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
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<tr>
<td>Physics (AS-Level)</td>
<td>PHY 2053C and 2054C</td>
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<td>Psychology (AS-Level)</td>
<td>PSY 2012</td>
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<td>Psychology (A-Level)</td>
<td>PSY 2012 and PSY 1906</td>
<td>SOC Found 2</td>
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<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
<td>SOC Found 2</td>
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<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
<td>SOC Found 2</td>
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<tr>
<td>Spanish Language (A-Level)</td>
<td>SPN 2230 and SPN 2231</td>
<td>SOC Found 2</td>
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<tr>
<td>Spanish Literature (AS-Level)</td>
<td>SPW 3100</td>
<td>SOC Found 2</td>
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<tr>
<td>Thinking Skills (A-Level)</td>
<td>PHI 1103</td>
<td>SOC Found 2</td>
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<tr>
<td>Thinking Skills (AS-Level)</td>
<td>PHI 1103 and PHI 1906</td>
<td>SOC Found 2</td>
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<tr>
<td>Travel and Tourism (AS-Level)</td>
<td>HFT 1000</td>
<td>SOC Found 2</td>
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<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and HFT 1906</td>
<td>SOC Found 2</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/level.

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.

Excelsior College Examinations (see table below)
The table labeled “Excelsior College Examinations” provides information related to the Excelsior examination areas and subtest areas for which credit is awarded. More detailed information about Excelsior College Examinations, including detailed test descriptions, can be found online at http://www.excelsior.edu.

### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
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<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</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>
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<tr>
<td>Criminal Justice</td>
<td>CJC 1000</td>
<td></td>
<td>49</td>
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<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Ethics in America</td>
<td>PHI 1630</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>
<td>46</td>
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<tr>
<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
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<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOC Found 2</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>
<td>44</td>
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<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td>46</td>
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<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
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<tr>
<td>Intro to Computing</td>
<td>CGS 1060</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 2011</td>
<td></td>
<td>46</td>
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<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
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<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
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<tr>
<td>Management Information Systems</td>
<td>ISM 1000</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>
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<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
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<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
<td></td>
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<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
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<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
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<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
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<tr>
<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>MAT Found 2</td>
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<td>Principles of Supervision</td>
<td>MNA 1345</td>
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<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1056</td>
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<tr>
<td>Technical Writing</td>
<td>ENC 2210</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>
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<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
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<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
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<tr>
<td>Foundations of Gerontology</td>
<td>GEA 1000</td>
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<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
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<td>Life Span Developmental Psychology</td>
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<td>Microbiology</td>
<td>MCB 1000</td>
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<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 needed to engage in these 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 and earned a GPA of 2.0 or better. UCF will accept a similar statement on transcripts received from Florida public community colleges and universities in lieu of completion of the University’s General Education Program. Students enrolled in courses that use the “NC” grade must earn a grade of “C-” (1.75) or better.

General Education Program Learning Objectives

Communications Foundation

- Demonstrate the ability to analyze the situational characteristics of a communication act: audience, purpose, and source/author.
- Demonstrate the ability to understand communication and speaking skills.
- Demonstrate the ability to write in a clear, logical and appropriate manner.
- Demonstrate the ability to research academic topics and present the synthesis of that research: 1) in speech with appropriate citations; and 2) in texts with correct documentation.
- Demonstrate an awareness of diversity in American society.

Cultural and Historical Foundation

- Be able to gather, synthesize, and analyze information from appropriate resources and be able to critically evaluate information and sources for accuracy and credibility.
- Identify and deepen appreciation of common human themes and the richness of diverse cultures.
- Be able to analyze and discuss meaning of an artwork, performance, or text in diverse aesthetic, historical and cultural contexts.
- Demonstrate knowledge and critical thinking of the concepts, styles, and aesthetic, theoretical, and critical principals in an art.
- Demonstrate knowledge of the chronology and significance of major events and movements in western civilization, U.S. history or world civilization.

Mathematical Foundation

- Demonstrate the skills needed to solve quantitative problems including choosing the proper technique and/or technology.
- Be able to solve real-world quantitative problems.
- Demonstrate qualitative understanding of mathematical, statistical, and computing concepts.
- Demonstrate knowledge and understanding of essential computing concepts common to academic degrees and their related professions.
- Demonstrate essential computing skills common to academic degrees and their related professions, and in particular, skills relating to professional use of computers and application software.

Social Foundation

- Be able to gather and synthesize information from appropriate resources, and be able to evaluate information and sources for accuracy and credibility.
- Understand how an individual’s place in the world is affected by social, economic, and political institutions.
- Gain a deeper appreciation of one’s role and potential impact in social, economic, and political institutions.
- Demonstrate an understanding of the interaction among social, economic, and political structures and functions.
- Understand how individuals behave and interact with other individuals in their psychological, political, economic and social environments.

Science Foundation

- Demonstrate an understanding of science as an empirical attempt to acquire information about the real world, develop possible explanations of these phenomena, and test the explanations by predicting the outcome of future observations.
Undergraduate Education Degree Requirements

General Education Program (GEP) Courses (36 credit hours required)
(Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.)

Satisfactorily complete one course in each of the twelve numbered areas. 36 hours

A. Communication Foundation 9 hours
1. ENC 1101 Composition I 1, 2 3(3,0)
2. ENC 1102 Composition II PR: ENC 1101 1, 2 3(3,0)
3. SPC 1608 Fundamentals of Oral Communication 3(3,0)
SPC 1603 Fundamentals of Technical Presentation 3(3,0)
COM 1000 Introduction to Communication 3(3,0)

B. Cultural and Historical Foundation 9 hours
1. EUR 2000 Western Civilization I 1, 2 3(3,0)
EUR 2001 Western Civilization II 3(3,0)
HUM 2210 Humanistic Tradition I 2 3(3,0)
HUM 2230 Humanistic Tradition II 3(3,0)
AMH 2010 U.S. History: 1492-1877 2 3(3,0)
AMH 2020 U.S. History: 1877-present 2 3(3,0)
WOH 2012 World Civilization I 2 3(3,0)
WOH 2022 World Civilization II 2 3(3,0)
2. SHL 2050 History of Western Art I 3(3,0)
SHL 2051 History of Western Art II 3(3,0)
MUL 2010 Enjoyment of Music 3(3,0)
THE 2000 Theatre Survey 3(3,0)
FIL 1000 Cinema Survey 3(3,0)
REL 2300 World Religions 3(3,0)
Phil 2010 Introduction to Philosophy 3(3,0)
LIT 2110 World Literature I PR: ENC 1102 3(3,0)
LIT 2120 World Literature II PR: ENC 1102 3(3,0)

3. Take one additional course from either B1 or B2.

C. Mathematical Foundation 6 hours
1. MAC 1105 College Algebra 3(3,0)
MGF 1106 Finite Mathematics 3(3,0)
2. CGS 1060C Introduction to Computer Science 3(3,0)
STA 1003C Basic Statistics using Microsoft Excel 3(3,0)
STA 2023C Principles of Statistics 2 3(3,0)

D. Social Foundation 6 hours
1. ECO 2013 Principles of Microeconomics 3(3,0)
ECO 2023 Principles of Macroeconomics 3(3,0)
POS 2005 American National Government 3(3,0)

2. PSY 2012 Introduction to Psychological Science 3(3,0)
SYG 2000 Introduction to Sociology 3(3,0)
ANT 2000 General Anthropology 3(3,0)

E. Science Foundation 6 hours
1. AST 2002 Astronomy 3(3,0)
PSC 1121 Physical Science PR: MAC 1105 or MGF 1106 3(3,0)
PHY 2053C College Physics I: MAC 1105 and MAC 1114 4(3,3)
CHM 1020 Concepts in Chemistry PR: High School Algebra 3(3,0)

2. BSC 1050* Biological Principles 3(3,0)
BSC 1050* Biology and Environment 3(3,0)
GLY 1030 Geology & Its Applications 3(3,0)
GEO 1200* Physical Geography 3(3,0)
ANT 2511 The Human Species 3(3,0)
MCB 1310 Intro to Biotechnology and Genetic Engineering 3(3,0)

A one credit laboratory is also available for this course.

1A grade of “C-” (1.75) or better is required in this course.
2A grade of “C-” (1.75) or better satisfies three hours of the Gordon Rule requirement.

- Demonstrate an ability to assess the extent to which claims presented as “scientific” satisfy the empirical character of scientific explanations.
- Demonstrate understanding of scientific knowledge and problem solving in a physical or life science.

Substitution of Courses: General Education Program and Other Requirements
The student degree audit system is coordinated by the Office of Academic Services for the evaluation of transfer courses for the University’s General Education Program and Foreign Language Proficiency requirements. When the transfer course work is entered into the UCF computer system (usually during the first semester at UCF), course descriptions and other information to provide a 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 within those administrative offices.

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

**GEP Requirement**
**Acceptable Substitutions**
MAC 1105 (College Algebra) 1
MAC 1114, MAC 1140, MAC 2233, MAC 2253, MAC 2311, MAC 2312, MAC 2313
MGF 1106 (Finite Mathematics) MGF 1107
PHY 2053C (Physics) PHY 2048, PHY 2049, PHY 2054C, PHY 2014C, PHY 5015C
CHM 1020 (Chemistry) CHM 2045C, CHM 1022, CHM 1440, CHM 2040C & CHM 2041C
BSC 1005 or BSC 1050 (Biology) BSC 2010C
GEO 1200 (Geography) GEO 2370
CGS 1060C CGS 2010C, COP 2500C, COP 3502C, COP 3010C
STA 2014C (Statistics) STA 2023, STA 3032
THE 2000 (Theatre) THE 2020
FIL 1000 (Cinema Survey) FIL 2030, FIL 3036, FIL 3037
MUL 2010 (Enjoyment of Music) MUH 2717, MUH 2819, MUH 3212, MUL 2016, MUL 2720

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 bachelor’s degree from UCF must complete at least one course that explores the diverse backgrounds and characteristics found among humans, including: race/ethnicity, gender, social class/caste, religion, age, sexual orientation, and level of physical ability.

Students are exempt from this requirement if they have completed an Associate of Arts degree or the General Education Program at a Florida 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
ANT 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

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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, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.

2. This is a University-wide requirement for all B.A. majors.

3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (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 college, school, or program for a specific degree (see individual degree program listings for more information). Proficiency is met either by successful completion of ASL 4161C (previously numbered SPA 4614C) or an appropriate score on the ASL proficiency exam. Contact the Department of Communication Sciences and Disorders regarding the proficiency examination.

SUS Foreign Language Admission Requirement

Students who have not satisfied the Foreign Language Admission Requirement (two high school units in the same language) at the time they are admitted to the University must satisfy this requirement prior to graduation. This requirement applies to all undergraduates and is separate from the UCF Foreign Language proficiency requirement.

The Gordon Rule

The “Gordon Rule” (State Rule 6A-10.30) applies to students who first enrolled in any college or university after October 1982. The rule requires students to complete four courses (twelve credit hours) of writing and to complete two courses (six credit hours) of mathematics at the level of college algebra or higher. Each course must be completed with a minimum grade of C- (1.75).

UCF courses that are required by the General Education Program may also 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 mathematics
   (2) Statistics or computer science

2. Six hours of English coursework:
   (1) Six hours of English Composition
   (2) Specifically identified courses and college level writing

Non-Gen Ed courses that also 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 2020 Western Civilization II
HUM 2210 Humanistic Tradition I
HUM 2230 Humanistic Tradition II
WOH 2012 World Civilization I
WOH 2022 World Civilization II

Gordon Rule Writing Requirement:

AMH 2010H Honors US History: 1492 - 1877
AMH 3402 History of the South to 1865
AMH 3463 History of the South Since 1865
AMH 3441 History of the Frontier: Eastern America
AMH 3442 History of the Frontier: Western America
AMH 3541 U. S. Military History To 1900
AMH 3561 Women in American History I
AMH 3571 Black American History I
AMH 3800 Canadian History
AMH 4110U Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4160 Jacksonian America
AMH 4201 The Gilded Age and Progressivism
AMH 4270 United States History: 1939-1960
AML 3031 American Literature I
AML 3041 American Literature II
AML 3283 Contemporary American Women’s Fiction
AML 3286 Early American Women’s Words
AML 3514 Topics in African-American Literature
### Undergraduate Degree Requirements

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<td>Introduction to UCF Theatre</td>
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<tr>
<td>THE 2304</td>
<td>Script Analysis</td>
</tr>
<tr>
<td>TPP 3310C</td>
<td>Directing for Theatre I</td>
</tr>
<tr>
<td>TPP 4940L</td>
<td>Theatre Internship</td>
</tr>
<tr>
<td>WOH 2012H</td>
<td>Honors World Civilization I</td>
</tr>
</tbody>
</table>

### 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 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 to: University of Florida, Independent Study, Suite D, 2209 NW 13th St., Gainesville, FL 32609; 352-392-1711, Ext 200; E-mail: learn@nervm.nerdc.ufl.edu. Website: http://www.doce.ufl.edu.

Double Majors
A student may earn one degree, a BA or BS, with two majors, by completing the requirements for both majors. 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).
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:

<table>
<thead>
<tr>
<th>College of Arts and Humanities</th>
<th>Bachelor of Arts (B.A.)</th>
<th>Majors:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Art, Digital Media, English, Film, French, History, Humanities, Latin American Studies, Modern Language Combination, Music, Philosophy, Religious Studies, Spanish, Theatre Studies</td>
</tr>
<tr>
<td>Bachelor of Design (B.Des.)</td>
<td>Major: Architecture</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Fine Arts (B.F.A.)</td>
<td>Majors: Art, Film, Theatre</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Music (B.M.)</td>
<td>Bachelor of Music Education (B.M.E.)</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Science (B.S.)</td>
<td>Majors: Photography</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>College of Business Administration</th>
<th>Bachelor of Science in Business Administration (B.S.B.A.)</th>
<th>Majors: Accounting, Business Economics, Finance, General Business, Management, Marketing, Real Estate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts (B.A.)</td>
<td>Major: Economics</td>
<td></td>
</tr>
<tr>
<td>Bachelor of Arts in Business Administration (B.A.B.A.) (Regional campuses only)</td>
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</tbody>
</table>


**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.) Major: Social Work

**College of Medicine**  
Burnnett 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.) Major: Advertising-Public Relations, Anthropology, International and Global Studies, Interpersonal/Organizational Communication, Journalism, Political Science, Radio - Television, Sociology

**Rosen College of Hospitality Management**  
Bachelor of Science (B.S.) Major: 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

<table>
<thead>
<tr>
<th>College of Arts and Humanities</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Medicine</td>
<td>Burnett School of Biomedical Sciences</td>
</tr>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>Hospitality Management</td>
</tr>
<tr>
<td>Office of Undergraduate Studies</td>
<td>Environmental Studies, Leadership Studies, World Comparative Studies</td>
</tr>
</tbody>
</table>

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.
The Burnett Honors College

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

<table>
<thead>
<tr>
<th>Symposium</th>
<th>Lower-division</th>
<th>Upper-division Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDH 1920H</td>
<td>4 courses</td>
<td>See requirements by College</td>
</tr>
</tbody>
</table>

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
      - BUL 3103H Legal and Ethical Environ't of Business
      - GEB 3369H Introduction to International Business
      - MAR 3023H Marketing
      - FIN 3403H Business Finance
      - MAR 3025H Management of Organizations
      - MAR 3391H Professional Selling
    Note: Please refer to the “UCF Courses and Descriptions” section of this Undergraduate Catalog for information on direct prerequisites for the above courses.

Consult an Honors advisor to find out when these courses are being offered.

- **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
      - STA 3023H Probability and Statistics for Engineers
      - EGN 3310H Engineering Analysis-Statics
      - EGN 3321H Engineering Analysis-Dynamics
      - EGN 3373H Principles of Electrical Engineering
      - EEL 4810H Machine Learning I
      - EEL 4817H Machine Learning II
    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
      - COT 3100H Introduction to Discrete Structures
      - ENC 3241H Writing for the Technical Professional

Consult 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
      - BSC 3045H Quantitative Biological Methods
      - MCB 3012H Microbiology
      - ZOO 3733H Human Anatomy
      - PCB 3703H Human Physiology
      - PCB 3723H Molecular Biology II
      - ZOO 4704H Clinical Neurancatomy

Consult an Honors advisor to find out when these courses are being offered.

**Acceptable Waivers**

Please see The Burnett Honors College website at 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/.

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/

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.

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.

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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/a 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 appropriately 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

<table>
<thead>
<tr>
<th>Title</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>African-American Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>American Studies</td>
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<tr>
<td>Architecture</td>
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<td>Community Arts - PAVE</td>
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<tr>
<td>Digital Media</td>
<td>BA, MA, Certificate, Minor</td>
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<tr>
<td>English</td>
<td>BA, MA, Minor, MFA, Ph.D., Certificate</td>
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<tr>
<td>Film</td>
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<td>Modern Language Combination</td>
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<td>French</td>
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<td>German</td>
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<td>Humanities</td>
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<td>Jazz Studies</td>
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<td>Judaic Studies</td>
<td>Certificate, Minor</td>
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<td>Latin American Studies</td>
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<tr>
<td>Middle Eastern Studies</td>
<td>Minor</td>
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<tr>
<td>Music</td>
<td>BA, BM, MA, Minor</td>
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<td>Music Education</td>
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<td>Performing Arts Administration</td>
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<td>Philosophy</td>
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<td>Religious Studies</td>
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<tr>
<td>Spanish</td>
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<tr>
<td>Teaching English as a Foreign Language (TEFL)</td>
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<tr>
<td>Teaching ESL</td>
<td>MA</td>
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<tr>
<td>Theatre</td>
<td>BA, BFA, MA, MFA, Minors in Dance, Theatre</td>
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<tr>
<td>Translation and Interpretation</td>
<td>Certificate</td>
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<tr>
<td>Women’s Studies</td>
<td>Minor, Certificate</td>
</tr>
<tr>
<td>Writing and Rhetoric</td>
<td>Minor, Certificate</td>
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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
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, Herthly, Kallina, Larson, Lester, Long, Lyons, Martinez-Fernandez, O’Tesa, Ozoglu, Pineda, Sacher, Solonari, W. Ser, Walton, Wills, 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
Minors: History

Judaic Studies: Program
Program Director: Moshe Pelli
CNH 201; 407-823-5039 or 823-5129
E-mail: judaics@ucf.edu
http://www.judaicstudies.cah.ucf.edu

Faculty: Hanson, Pelli

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The program offers instruction, conducts research, and disseminates knowledge in the civilization of the Jewish people from Biblical times to the present day in the major dimensions of its creativity: literature, language, religion, philosophy, law, and social, political and economic organization. Because the roots of western culture and civilization and major world religions lie in ancient Jewish thought and practice as manifested in the Hebrew Bible and subsequent writings, Judaic Studies form an essential component of the university’s curricula.

The program enables students to acquire a foundation of knowledge of Jewish history, the Hebrew language, Jewish philosophy, culture, religious beliefs, and political aspirations; and to understand the contribution of Judaism to western civilization. The courses highlight major aspects of Jewish civilization, focusing on its interaction with other cultures and on the bodies of human knowledge upon which it draws. The program is designed to serve students pursuing careers in general or...
Jewish education, in communal works and Middle-Eastern affairs, in languages, humanities, or liberal arts, in the ministry or rabbinate, and in the community at large.

Degrees: None
Tracks: None
Minors: Judaic Studies, Certificate

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.latcl.s.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

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

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


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)

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


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

Department of Philosophy
Chair: Bruce Janz
PSY 220; 407-823-4416
E-mail: philosophy@ucf.edu
http://www.philosophy.cah.ucf.edu

Faculty: Brennanman, Cash, Compson, Coverston, DiBernardo, Evans, Fiore, Gallagher, Hawkins, Janz, Jones, Kassim, Mundale, Park, Schippert, Stanlick, Strawser, Vest; Professor Emeritus: Flick

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

Department of Theatre
Chair: Christopher Niess
UTC 111; 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, Tollefsen, 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

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, Gomrad, Hepner, Hollic, Ives, King, Kyle, Launier, Marinara, Martin, Mohrenne, Murray, Owens, Richardson, Ringfield, Rodriguez-Milanes, Saper, Schell, Schutz, 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)

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

Women’s Studies: Program
Program Director: M.C. Santana
CNH 411; 407-823-6502
E-mail: womenst@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
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
Title Degree
Accounting BSBA, MSA, MST
Business Administration MBA, Ph.D.
Economics BA, BSBA, MS, Ph.D.
Finance BSBA
General Business BSBA
Management BSBA, MS HR
Marketing BSBA
Business (Regional campuses only) BABA
Real Estate BSBA, MSRE

Departments and Programs
Kenneth G. Dixon School of Accounting
Director: Sean Robb
BA 437; 407-823-2871
Assistant to Director: M. Hampton
BA 438; 407-823-5678
Faculty: Allen, Arnold, Benfors, Bobek, Desai, Durham, Dywer, Goldwater, Hampton, Hornik, Judd, Kelliher, Klintworth, Lako, Robb, Roberts, Roush, Smith, Sutton, Trompeter, Velt, 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 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 302Q; 407-823-1405
E-mail: mcaputo@bus.ucf.edu;
D. Scrogin
BA 302U, 407-823-4129
N. Underwood
BA 302N; 407-823-1403
Economic issues dominate today’s news and public debates more than ever before. Inflation, unemployment, health care, economic growth, pollution, poverty, and international economic relations are a
few of these issues. The primary strength of Economics is that it provides a logical, ordered way of looking at most problems and issues. Undergraduate education in Economics equips individuals to both better understand and seek solutions to these issues.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program is to provide a broad-based liberal arts background that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and to provide the analytical skills that will allow them to resolve them.

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, Economic Policy

**Department of Finance**
**Chair:** A. Byrd
**BA 409; 407-823-3575**

**Faculty:** Ajayi, Anderson, Borde, Botts, Byrd, Chen, Choi, Curcio, Frye, Gatchev, Gilkeson, Gregg, Park, Ramanlal, Schnitzlein, Singer, Smith, Swoe, Sturm, Weaver, Whyte

The program in finance is designed to provide the student with broad knowledge in finance, including business finance, investments, financial institutions, international finance, risk management and insurance, and real estate. The program provides the student with the theoretical background and tools of analysis required for making effective financial decisions. The study of finance prepares the student for careers in business financial management, investments, banking and real estate.

**Distinctive Benefits**
- Students prepare for career opportunities in business and corporate financial management, commercial banking, real estate, investment management and counseling, investment banking, mortgage banking, multinational business, insurance and government
- Students who major in finance are sought by both financial and non-financial firms.
- The rapidly changing domestic and international economies need individuals who have the skills to make sound financial decisions.

**Degrees:** Finance (BSBA), Real Estate (BSBA)
**Minors:** International Business, Real Estate, Finance
**Certificates:** Banking, Investments, Real Estate Brokerage, Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

**General Business**
**Faculty Advisor:** S. Goodman
**BA 335; 407-823-2679**

This option allows students to develop a general program of study which will satisfy career objectives not provided for by the specialized areas of concentration. To pursue this option, students should seek advisement in the Department of 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, Blencke, Boettcher, Cleavenger, Connell, Folger, C. Ford, R. Ford, Harris, Holland, Keon, McDonald, Migenes, Nichols, O’Neal, Putchinski La, Putchinski, L, Quinn, Rockmore, Schminke, Tzabbar, 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 presents to students. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations.

The curriculum is designed so that students can choose to concentrate in 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 ideally a team leader. Whether the student is studying leadership, motivation, staffing, or international management, the curriculum will sharpen students' skills in problem identification, analysis, and solution.

The General Management track can lead to a variety of rewarding careers in management positions throughout the organization. The department offers more specialized training - using the same approach - via our Human Resource Management track. Career paths include positions in training and development, personnel and employee relations, equal opportunity and labor relations, human resource consulting, and more. For students interested in starting their own business or working for smaller fast growing organizations, the department offers specialized training via the Entrepreneurship Track.

**Distinctive Benefits**
- Excellent faculty, known for their creativity and enthusiasm in the classroom, and their commitment to students in and out of the classroom.
- A broad-based training that will open up opportunities in high-growth career areas.
- Internships that provide real-world experience and enhanced job opportunities.
- A "hands-on," applied focus in our courses.

**Degrees:** Management (BSBA), Human Resources (MS)
**Tracks:** General Management, Entrepreneurship, Human Resource Management
**Minor:** Entrepreneurship

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, Sooer, Stock

The Marketing major at UCF provides a superior education in the foundations of marketing such as research, consumer behavior, professional 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. Admission to the program is competitive 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.oead.ucf.edu/aic/aic_students_cba.htm](http://www.oead.ucf.edu/aic/aic_students_cba.htm)
College of Education

Dean: Sandra L. Robinson
ED 308; 407-823-5529
http://education.ucf.edu

Executive Associate Dean: Jennifer C. Platt
407-823-2046

Associate Dean: Rex Culp
407-823-3906

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. It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year.
- 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:
   a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
2. Be advised by the College of Education 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. Students must complete any changes to their schedules by the end of the published Add/Drop period;
4. Utilize LiveText software based upon program requirements; and
5. File an on-line "Intent to Graduate Form" by the end of the term prior to the term in which graduation is intended.

Office of 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/clinicalexp/

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.

*Some programs 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.
College of Education

Academic Advising Center
Director: Sandra L. Bulger
ED 115; 407-823-0043
Coordinator Academic Advising Services II: Jorri Bright
ED 115; 407-823-5369

The College of Education Academic Advising Center provides academic advising assistance for newly admitted elementary education students.

All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in, appointment and advising sessions.

Information sessions provide students with additional knowledge concerning their degree programs and responsibilities. The dates, times and locations of information sessions will be posted on the College of Education website.

Department of Child, Family, and Community Sciences
Chair: Anne McDonald Culp
ED 209-E; 407-823-1272
Academic Administrator: Roanne G. Brice
ED 206-H; 407-823-0664

Faculty: Albers-Biddle, Batchelder, Berry, Biddle, Brasel, Burden, Cross, Culp, Dieker, Duke, Englehart, Ezell, Fisher, Hines, Hoffman, Jennings, Khan, Kuminka, Lanier, Levin, Little, Marrett, Martin, Platt, Reyes, Lue-Stewart, Szente, Valdes, Vasquez, Wienke

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:


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

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

Faculty: Atkinson, Bai, Beverly, Boyd, Butler, Cintron, Clark, Daire, Edwards, Hagedorn, Hahs-Vaughn, Hirumi, 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

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://oes.ucf.edu/alc/alc_students_coe.htm
College Mission Statement

Our Mission is to provide high-quality, broad-based education and experience-based learning in engineering and computer science; to create knowledge through pioneering scholarship and impactful research; to enrich our students' development and leadership skills; and to address pressing local, state, national, and international issues in support of the global community.

Our college is able to attract students who are remarkably bright and talented. They come to our college to learn and become the technological leaders of tomorrow. Our Engineering and Computer Science faculty are some of the best and brightest that one can find anywhere. They share with our students the excitement of discovery and creative research as they teach the problem solving and leadership skills that prepare our students to be productive members of society.

College Organization

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of 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, Inc., 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, Inc., 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 (HIM).

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and who 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 found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering and Computer Science Programs

Information on each UCF engineering, computer science, and information technology program follows, and more current information on the departments can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see 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, Reinhart, 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 lifelong learning, professional licensure, and service to the profession and society.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from physics such as vector mechanics and equilibrium.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will be able to complete a comprehensive civil engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.
10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

The Environmental Engineering Program

The Environmental Engineering major is concerned primarily with the interactions with humans and their environment and the planning, design, and control of systems for environmental quality management for water, land, and air environments.

Environmental Engineering students are required to take a Project Design and Capstone Course which 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:

- Be successfully employed or employable in environmental engineering practice in areas such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from chemistry such as stoichiometry, kinetics, equilibrium and gases.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will be able to complete a comprehensive environmental engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.
10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

The Construction Engineering Program

The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course which 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:

- Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will demonstrate knowledge of estimating, scheduling, project control, resource allocation, risk management, and legal issues.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will demonstrate proficiency in the design of construction processes, methods, and safety.
10. Graduates will be able to complete a comprehensive real-world construction engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

The mission statement and objectives for the Civil Engineering, Environmental Engineering, and Construction Engineering programs are electronically posted and routinely updated. More information on the Civil and Environmental Engineering programs can be found on the CECE Department home page at http://www.cece.ucf.edu.
College of Engineering and Computer Science

Department Policy for Double Degree in Civil, Environmental, and Construction Engineering

The faculty of the Civil, Environmental, and Construction Engineering Department believe that a double degree from the department should reflect a significant achievement and a significant increase in knowledge and formal coursework above the requirements for a single degree. Any undergraduate in Civil, Environmental, or Construction Engineering desiring to obtain a double degree shall meet the following requirements:

- The student shall meet all individual requirements for each degree.
- The coursework must include two different design courses, one from each program, plus the capstone design course.
- Completion of requirements for both degrees must be in the same semester.
- The same catalog year must be used for both degrees.
- The student must have a minimum of 150 credit hours.

Additional notes:
- The extra hours represent at least one additional semester of full time enrollment.
- All majors completed will be indicated on the student’s transcript.

Civil Engineering Major Pursuing Environmental Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are:

- An Earth Science (GEP), A Biological Science (3hrs), CHM 2045C (4hrs), CHM 2046L (3hrs), CHM 2046C (3hrs), ENV 4110C (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (3hrs), Water Resources Engineering 2 (3hrs), Environmental Engineering Operations & Processes 2 (3hrs), and an Environmental Design course (3hrs).

Civil Engineering Major Pursuing Construction Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 19 additional hours to earn a Bachelor of Science Construction Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: CCE 4004 (3hrs), CCE 4034 (3hrs), CCE 4402 (3hrs), CCE 4810C (3hrs), CCE 4813 (4hrs), ACG 2071 (3hrs).

Environmental Engineering Major Pursuing Civil Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Civil Engineering degree in addition to the Bachelor of Science Environmental Engineering degree. The additional courses are:

- CGN 3501C (3hrs), CE Measurements (4hrs), Highway Engineering (3hrs), CES 4100C (4hrs), CES 4605 (3hrs), CES 4702 (3hrs), and a Civil Design course (3hrs).

Department of Electrical Engineering and Computer Science

Computer Science Division

Interim Chair: Gary T. Leavens
HEC 437; 407-823-3957

Faculty: Bassioni, Boloni, Chatterjee, da Vitoria Lobo, Deo, Dechy, Foroosh, Gomez, Gonzalez, Guha, Heinrich, Hu, Hughes, Jha, Lang, LaViolette, Leavens, Marinescu, Orooji, Pattanaik, Shah, Stanley, Sukthankar, Tappen, Turgut, Wocjan, A. Wu, Zhang, Zou

The Computer Science Program

The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Computer Science. In addition, the program offers minors in Computer Science and Information Technology.

The program strives to meet the requirements for professional careers and research in software development and computing systems technology by producing graduates with a broad base of formal course work. Students may use restricted elective credit to concentrate their degree in one of many research areas, including computational biology, computational complexity, computational geometry, computer architecture, computer graphics, computer networks, computer simulation, computer vision, databases systems, design and analysis of algorithms, distributed computing, digital media, evolutionary computing, graph theory, human-computer interaction, machine learning, mixed and virtual reality, multi-agent systems, natural language processing and knowledge-based systems, neural networks, operating systems, parallel processing, quantum computing, software engineering and VLSI design tools and hardware algorithms.

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 equip CS graduates with 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. To prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.
3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance, and administration.

Program Outcomes

1. All graduating CS majors, by the time of their graduation, shall be able to apply knowledge of computing and mathematics appropriate to the discipline; specifically to include the application of mathematics, science, and engineering to solve and reason about computational problems.
2. All graduating CS majors, by the time of their graduation, shall be able to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. All graduating CS majors, by the time of their graduation, shall be able to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs and budget, by applying best practices in software development processes, methods, and tools.
4. All graduating CS majors, by the time of their graduation, shall be able to function effectively on teams to accomplish a common goal.
5. All graduating CS majors, by the time of their graduation, shall be able to demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.
6. All graduating CS majors, by the time of their graduation, shall be able to communicate effectively with a range of audiences; in particular, graduating majors shall demonstrate effective oral and written communication skills while disseminating technical information about computers and systems both to colleagues and to non-specialist audiences.
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-
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: IT manager, IT systems analyst, network designer, network administrator, network security administrator, web applications developer, webmaster, database administration, 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 in 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. Deliver 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, Georgiopoulou, Gong, Haralambous, Jones, Kaspardis, Lee, Lin, Liou, 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,
The objectives of the EE Program at UCF are that:

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 3657), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 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 or 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 careers 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.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to multi-disciplinary 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 prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in aerospace technology, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. Life-long Learning: To produce graduates who believe that their undergraduate aerospace engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes
1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerospace materials, structures, propulsion, flight mechanics and stability and control. Students emphasizing astronautics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, etc.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently using information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from aerospace engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.
Mission: Mechanical Engineering

In support of the University and College missions, the Mechanical Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives

1. Career Preparation: The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize mechanical systems, 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 broad range of industries.

2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in mechanical technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.

3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.

4. Life-long Learning: To produce graduates who believe that their undergraduate mechanical engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes

1. An in-depth understanding of engineering principles and mechanical concepts in a core area of engineering. Students will concentrate on mechanical systems, 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. Floramanti, 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 throughout 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)
- Enlistment in the Air Force Reserve certifying agreement to complete the POC and accept an Air Force Commission. This enlistment is terminated upon receipt of a commission

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 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, a guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army’s Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus. Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: http://army.ucf.edu.

**Curriculum**

The Military Science curriculum is designed to develop students’ leadership potential and improve students’ planning, organizational, and managerial skills. The on-campus curriculum is divided into two phases: Basic Military Science Course and Advanced Military Science Course.

1. **Basic Military Science**

A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 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 (LDAC) at Fort Lewis, WA, normally between their junior and senior years.

   B. Requisites for Admission to the Advanced Course:

   - Successful completion of Basic Course, or placement credit
   - Must be at least 17 years of age at the time of entry, but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34)
   - Successful completion of an Army physical examination
   - Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
   - Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
   - US Citizen
   - A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

3. **Monetary Allowance**

   All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of $300 during the freshman year, $350 during the sophomore year, $450.00 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
   e) Mountain Training

3. **Leadership Development and Assessment Course (LDAC)**

   All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Lewis Washington prior to receiving a commission as an Army Officer. This camp evaluates a student’s leadership performance and potential. LDAC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend LDAC the summer following their junior year and receive approximately $800 pay for the training.

   Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at:

   http://oeas.ucf.edu/alc/alc_students_coecs.htm
College of Health and Public Affairs
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.

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

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<tr>
<th>Major</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Athletic Training</td>
<td>BS</td>
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<tr>
<td>Communication Sciences and Disorders</td>
<td>BA, BS, MA</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
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<tr>
<td>Health Informatics and Information Management</td>
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<td>Healthcare Informatics</td>
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<td>Health Sciences - Pre-Clinical Track</td>
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<td>Health Services Administration</td>
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<td>Legal Studies</td>
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<td>Public Administration</td>
<td>BA, BS, MPA, MNM</td>
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<td>Public Affairs</td>
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<tr>
<td>Physical Therapy</td>
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<tr>
<td>Social Work</td>
<td>BSW, MSW</td>
</tr>
</tbody>
</table>

Academic Advisement

Undergraduate Student Services
Director: Mariangelly Rente
HPA2 115, 407-823-0010
E-mail: hpainfo@mail.ucf.edu

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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 and the methods employed by the criminal justice system to control crime. Criminal Justice students study in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the education 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 wishing 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 education 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.

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College of Health and Public Affairs

cational process is the series of clinical experiences that occur in a variety of settings under the direction of an approved clinical instructor and certified athletic trainer. These local affiliation sites include high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to take the National Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

Degrees: Athletic Training (BS)
Tracks: None
Minors: None

Program in Health Sciences-Pre-Clinical Track
The Health Sciences-Pre-Clinical Track is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health, or Health Services Administration.

Degrees: Health Sciences (BS)
Tracks: Pre-Clinical
Minors: Health Sciences

Department of Legal Studies
Chair: James Beckman
HPA 343; 407-823-1670

Faculty: Bast, Brown, Cook, Flagg, Kirby, Koblasz, Milton, Pons, Scott, Slaughter, Wood.

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Sciences with a major in Legal Studies. The department houses Phi Alpha Delta, the Legal Studies professional society.

Degrees: Legal Studies (BA, BS)
Minor: Legal Studies

Department of Public Administration
Chair: Mary Ann Feldheim
HPA2 238; 407-823-2604


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 prepares students for professional careers in public service at the city, county, state and federal levels. Currently the public sector in the United States includes over 57,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degrees with a major in Public Administration enable students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master of Public Administration (MPA) or Master of Nonprofit Management (MNM). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

There are numerous public and nonprofit employment opportunities with jobs available in nearly every area of specialization. For instance, public servants include engineers, accountants, fire fighters, police, physicians, nurses, botanists, chemists, nutritionists, project managers, community planners, city and county administrators, social workers, psychologists, psychiatrists, policy analysts, grant writers, contract managers, quality assurance managers and evaluators. The range of employment opportunities is extraordinary and includes a variety of management and 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, Withers.

The School of Social Work BSW Program (undergraduate social work program) prepares baccalaureate level students for entry level positions within diverse human service organizations. Today social workers are continuing their efforts in hospitals, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives. The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

The curriculum, nationally accredited by the Council on Social Work Education, aims to graduate social work generalists who can teach people how to create their own path and enhance their quality of life. Graduates will assist people in changing patterns of behavior, poverty, abuse, and oppression and help them to develop effective coping skills for life’s challenges. The Social Work Program is a limited access program that requires a separate application to the School of Social Work.

If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

Degrees: Social Work (BSW, MSW)
Tracks: None
Minors: Aging Studies
Certificates: Aging Studies, Children’s Services

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at: http://oeas.ucf.edu/aic/aic_students_cohpa.htm
UNIVERSITY OF CENTRAL FLORIDA
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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

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<tr>
<td>Biomedical Sciences</td>
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<td>Medicine</td>
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<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.
College of Medicine

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 (PHPAO), 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: Dorilyn 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 an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

Degrees: Biotechnology (B.S., M.S., M.S./M.B.A.)

Tracks: None

Minors: None

Program in Medical Laboratory Sciences
Director: Dorilyn Hitchcock
HPA2 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: bcsinfo@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_bobcats.htm

Program in Medical Laboratory Sciences
Director: Dorilyn Hitchcock
HPA2 335A; 407-823-5932

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Degrees: Medical Laboratory Sciences (B.S.)

Tracks: None

Minors: None
College of Nursing
Dean: Jean Leuner
UTWR 3RD floor; 407-823-5496

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

Associate Dean Undergraduate 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 1981. 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 basic degree 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 emphasizes 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 campus, 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 nurses to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, and 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 evidenced-based practice, leadership, and organizational analysis; and an analysis of practice including completion of a dissertation project during the capstone 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, BSN degree, Accelerated BSN degree, ASC 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

COLLEGE OF NURSING

UNIVERSITY OF CENTRAL FLORIDA
107 Undergraduate Catalog 2011-2012
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.

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.
College of Sciences

Programs and Degrees

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<td>Anthropology</td>
<td>BA, MA, Minor</td>
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<tr>
<td>Astronomy</td>
<td>Minor, BS Track</td>
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<td>Behavioral Forensics</td>
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<tr>
<td>Biology</td>
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<td>Biology-Pre Health Professional</td>
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<tr>
<td>Biomedical Sciences</td>
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<td>Chemistry</td>
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<td>Communication</td>
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<tr>
<td>Conservation Biology</td>
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<td>Biochemistry</td>
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<tr>
<td>Data mining</td>
<td>Certificate</td>
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<td>Diplomacy</td>
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<tr>
<td>Diversity &amp; Social Inequality</td>
<td>Minor</td>
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<td>European Studies</td>
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<td>Forensic Science</td>
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<td>International &amp; Global Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Interpersonal/Organizational Communication</td>
<td>BA, Minor</td>
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<tr>
<td>Journalism</td>
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<tr>
<td>Journalism Studies</td>
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<td>Mass Communication</td>
<td>Minor</td>
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<td>Mass Culture &amp; Collective Behavior</td>
<td>Minor</td>
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<tr>
<td>Mathematics</td>
<td>BS, Certificate, MS, PhD, Minor</td>
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<tr>
<td>Maya Studies</td>
<td>Certificate</td>
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<tr>
<td>Medical Anthropology</td>
<td>Minor</td>
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<tr>
<td>Medical Sociology</td>
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<tr>
<td>North American Indian Studies</td>
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<tr>
<td>Physics</td>
<td>BS, Certificate, MS, PhD, Minor</td>
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<tr>
<td>Political Science</td>
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<tr>
<td>Political Science-Pre Law</td>
<td>BA Track, Minor</td>
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<tr>
<td>Psychology</td>
<td>BS, MA, MS, PhD, Minor</td>
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<tr>
<td>Radio-Television</td>
<td>BA</td>
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<tr>
<td>Social Sciences Interdisciplinary</td>
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<td>Sociology</td>
<td>BA, MA, PhD, Minor</td>
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<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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</tbody>
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Departments, Schools, and Programs

Department of Anthropology

Chair: Arlen F. Chase
PH 309; 407-823-2227
E-mail: anthropology@ucf.edu
http://anthropology.cos.ucf.edu/

Assistant Chair and Graduate Coordinator: Tosha Dupras
PH 309; 407-823-2227
Undergraduate Coordinator: John Schultz
PH 309; 407-823-2227

Faculty: Barber, A. Chase, D. Chase, Dupras, Geiger, Groff, Howard, Lieberman, Long, Matejovsky, McIntyre, Misher, Reyes-Cortez, Schultz, Sinnelli, Toyne, Walker; Professors Emeritus: Stearman, Wallace

The Department of Anthropology offers courses and programs that lead to: a Bachelor of Arts in Anthropology; a minor in Anthropology with concentrations in general anthropology, archaeology, cultural anthropology, and physical anthropology; a minor in Anthropology in Multicultural Studies; a minor in Native American Indian Studies; an undergraduate certificate in forensics; a graduate certificate in Maya Studies; and, a Master of Arts in Anthropology with focus areas in Cultural Competency, Archaeological Investigations in Forensics and Human Adaptations, and Maya Studies. The Undergraduate Anthropology Program prepares students for graduate training in Anthropology and provides them with the skills needed to apply the concepts, methods, and theories of Anthropology in the real world. Anthropology has four sub-disciplines, consisting of language and culture, cultural anthropology, physical anthropology, and archaeology. While undergraduate students are exposed to each of the sub-fields of Anthropology, the training for advanced work in each field differs. Thus, students should consult with their departmental advisor early in their academic careers.

Degrees: Anthropology (BA, MA)
Minors: Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Medical Anthropology, 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, Manjerow, Noss, Parkinson, Quin-tana-Ascencio, Song, Sotero-Esteva, Stern, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Weishampel, Worthy; Professors Emeritus: Ehhardt, Ellis, Kuhn, Koevenig, Osbome, Snellson, 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 (BS, MS)
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: Akita, Bagley, Barfield, Bledsoe, Brown, Brunson, Butler, Chandler, Collins, Coombs, Davis, DeLorome, Dusseau, Graham,
Journalism (BA), Radio-Television (BA)

The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The school is composed of four program areas each of which offer Bachelor of Arts degrees. The degrees are:

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

Facilities:

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, Katsievich, Kaup, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Neval, Pensky, Pfenmon, Qi, Reid, Ren, Richardson, Rolls, Schober, Schweitzer, Shah, Shivamoggi, Skripka, Song, Sun, Swanson, Tamasan, 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 requirement. 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, Bhattacharya, Bindell, Britt, Brucekner, Campins, Chang, Chengyak, Chini, Chow, Colwell, Cooney, Del Barco, Dubey, Efthimiou, Fernandez, Flitsiani, Harrington, Heinrich, Ishigami, Johnson, Kara, Khondaker, Klemm, Kokouline, Leuenberger, Luo, Martin, Montgomery, Muccio, Peale, Rahman, Roldan-Cuenya, Saha, Schilling, Schulte, Stolbov, Tatulian, Tonner, Velissaris, Zhmudskyy; Faculty Emeriti: Bose, Brennan, Llewellyn; Distinguished Professor: Liboff

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department’s research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and planetary science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

Degrees: Physics (BS, MS, PhD)
Tracks: General Physics, 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, Dipboye, M. Dunn, S. Dunn, Fouty, Fritzschke, Ghasinejad, Gilson, Hancock, Hernandez, Hickey, Hitt, Janowsky, Jensen, F. Jentsch, K. Jentsch, M. Kennerley, Le, McConnell, McGuire, Mottarella, Mouloa, Murdoch, Negy, Pritchard, Rapport, Reed, Renk, Reynoso, Rinalducci, Salas, Saunders, Shirkey, Storm, Sims, Smith, 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, Grauerholz, Huff-Corzine, Jasinski, Lynxwiler, Morris, Mustaine, Pals, Reckendorf, 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
CCI 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 cocks.htm
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.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.
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, Marcele 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-
tors, the program provides a supportive educational environment for students. In addition, the students participate in a variety of workshops designed to increase their awareness and knowledge of the graduate and professional school application process. Students from underrepresented groups and first-generation/low-income students are strongly encouraged to apply.

Office of Undergraduate Research

Director: Kimberly Schneider
CC2 209; 407-823-3125
http://www.our.ucf.edu/

UCF offers numerous opportunities for undergraduates to pursue research in various disciplines with the guidance of a faculty mentor. This intensive research opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. Examples of programs the office administers are: the undergraduate research showcase, the undergraduate research journal, a workshop series, and a student council.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www.oeas.ucf.edu/alc/alc_students_us.htm
Rosen College of Hospitality Management
Dean: Abraham Pizam
9907 Universal Boulevard, Suite 231-H Orlando, FL 32819;
407-903-8000
http://www.hospitality.ucf.edu

Associate Deans: Tadayuki Hara; Youcheng Wang;
9907 Universal Boulevard, Suite 231-A; 407-903-8000

Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112

Faculty: Ashley, Breiter, Bunn, Chen, Choi, Croes, Dickson, Fisher,
Fjelstul, Har, Hogg, Hua, Hutchinson, Iskat, Judy, Juge, Jung,
Kaufman, Kwun, Lavendol, Logan, Lynch, Milman, Muller, Murphy,
Naipaul, Nusair, Okumus, Pasa, Pizam, Ro, Rompf, Ross, Severt
D, Severt K, Smith, Terry, Tesone, Wang, Whitney

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 manage-
ment 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 aca-
demic 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 gath-
ers 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 execu-
tives. 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/aic/alc_students_rhm.htm
UCF DEGREE PROGRAMS

Accounting
Advertising-Public Relations
Aerospace Engineering
Aerospace Engineering - Accelerated Undergraduate-Graduate Program
Anthropology
Applied Science - A.S. to B.S. Track
Architecture
Art - History Track
Art - Studio Track
Art - Visual Arts and Emerging Media Management Track
Art - B.F.A. - Emerging Media Track
Art - B.F.A. - Studio Art Track
Art Education
Athletic Training
Biology
Biological 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
Foreign Language Education - French
Foreign Language Education - Spanish
Forensic Science - Analysis Track
Forensic Science - Biochemistry Track
French
General Business
General Business - A.S. to B.S. Track
Health Informatics and Information Management
Health Sciences - Pre-Clinical Track
Health Services Administration
History
History - Accelerated Undergraduate-Graduate Program
Hospitality Management
Hospitality Management - A.S. to B.S. Track
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. 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

UNIVERSITY OF CENTRAL FLORIDA

117 Undergraduate Catalog 2011-2012
### UCF DEGREE PROGRAMS

#### Accounting (B.S.B.A.)

**College of Business Administration**

**Kenneth G. Dixon School of Accounting, Business Administration II, Room: 101**

[http://www.bus.ucf.edu](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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MAC 1140</td>
<td>Pre-Calculus Algebra</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
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<tbody>
<tr>
<td>Required CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
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<tbody>
<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>Suggested ECO 2013</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>Suggested ECO 2023</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>Suggested ANT 2000</td>
<td>General Anthropology</td>
</tr>
<tr>
<td>Suggested PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>Suggested SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Suggested ECO 2013</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>Suggested ECO 2023</td>
<td>Principles of Microeconomics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>F: Core Requirements: Basic Level</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>G: Core Requirements: Advanced Level</th>
<th>(32 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>First or subsequent semester in the College of Business Administration:</td>
<td></td>
</tr>
<tr>
<td>1. GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
</tr>
<tr>
<td>GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
</tr>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
</tr>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Supply Chain Management</td>
</tr>
</tbody>
</table>

- A grade of “C−” (1.75) or lower is not satisfactory for continuing into another accounting course and will not count toward graduation for an accounting major.

#### Required courses for major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3131</td>
<td>Intermediate Financial Accounting I</td>
</tr>
<tr>
<td>ACG 3141</td>
<td>Intermediate Financial Accounting II</td>
</tr>
<tr>
<td>ACG 3361</td>
<td>Cost Accounting I</td>
</tr>
<tr>
<td>ACG 3501</td>
<td>Financial Accounting for Governmental and Nonprofit Organizations</td>
</tr>
<tr>
<td>ACG 4401C</td>
<td>Accounting Information Systems</td>
</tr>
<tr>
<td>ACG 4651</td>
<td>Auditing</td>
</tr>
<tr>
<td>ACG 4803</td>
<td>Contemporary Issues in Accounting and Transactions</td>
</tr>
<tr>
<td>MAR 3025</td>
<td>Management of Organizations</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives
- None

#### 6. Capstone Requirements
- **(4 hrs)**
  - MAN 4720 | Strategic Management |

- This course is taken in the graduating term and requires the following prerequisites:
  - FIN 3403C | Business Finance |
  - GEB 3031 | Cornerstone: Professional Skills for Business |
  - GEB 3031L | Cornerstone Lab: Professional Skills for Business |
  - MAN 3025 | Management of Organizations |
  - MAR 3023 | Marketing |

#### 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. Re-admission is not automatic.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the College of Business and in the accounting major.
- A grade of “C−” (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

#### 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

- 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
  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, 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2001</td>
<td>Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2011</td>
<td>Accounting Information Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Pre-Calculus Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1150</td>
<td>Business Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist I</td>
<td>Cultural History</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist II</td>
<td>Cultural History</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science</td>
<td>Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Art/Music/Lit</td>
<td>Art and Literary Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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
- 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 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring

- 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

Junior Year - Fall

- 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 - Spring

- 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

Senior Year - Fall

- 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 - Spring

- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 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: $15 per term
- Full-Time Student: $30 per term
Advertising-Public Relations (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
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;
- 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 Ad-PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor’s prior approval.
- Students should consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the 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)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Select one course from group B 2. 3 hrs

C: Mathematical Foundations (6 hrs)
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs
- May substitute a higher level math with appropriate scores on the Math Placement Exam.

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

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

E: Science Foundations (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select either Economics course:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics GEP

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

2. Common Program Prerequisites (CPP)

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:
- Complete the following classes:
  - SPC 1608 Fundamentals of Oral Communication and 3 hrs
  - STA 2014C Principles of Statistics GEP/CPP

Complete either economics class:
- ECO 2023 Principles of Microeconomics or 3 hrs
- ECO 2013 Principles of Macroeconomics GEP/CPP

4. Core Requirements: Advanced Level (21 hrs)

Complete after admission to the program:
- ADV 4101 Advertising Copywriting 3 hrs
- COM 3311 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: 3 hrs
- ADV 4941 Internship or 3 hrs
- PUR 4941 Internship 3 hrs

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 Business and Professional Communication 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- PUR 4110C Public Relations Publications 3 hrs
- PUR 4801 Public Relations Case Studies 3 hrs

You may take either internship, but not both. 3 hrs
- ADV 4941 Internship or 3 hrs
- PUR 4941 Internship 3 hrs

6. Capstone Requirements
- The following Advanced Core course meets the Capstone Requirement:
  - MMC 4411 Ad-PR Campaigns 3 hrs

7. Foreign Language Requirements
- Admissions: Met by graduation requirement.
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.

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

None required. However if a minor desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

11. Department Exit Requirements

To avoid delaying graduation, the student must request a review of requirements before registering for the last term.

Achieve an overall “C” GPA (2.0) in required UCF Ad-PR courses. This GPA does not include electives.

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

Marketing

Certificates

None

Related Minors

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

Business

Digital Media

Writing and Rhetoric

Hospitality Management

Marketing

Political Science

Psychology

Sociology

Advising Notes

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

Transfer Notes

Lower division courses 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

ENC 1101 Composition I 3 hrs

GEP 3 hrs

GEP 3 hrs

Foreign Language 4 hrs

Freshman Year - Spring

ENC 1102 Composition II 3 hrs

STA 2044C Principles of Statistics 3 hrs

GEP 3 hrs

Foreign Language 4 hrs

SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall

GEP 3 hrs

GEP 3 hrs

ADV 3008 Principles of Advertising 3 hrs

Free Elective-take outside of NSC 3 hrs

Application to program

Sophomore Year - Spring

GEP 3 hrs

GEP 3 hrs

ADV 3008 Principles of Advertising 3 hrs

Free Elective-take outside of NSC 3 hrs

Free Elective-take outside of NSC 3 hrs

Junior Year - Fall

Restricted Elective 3 hrs

VIC 3001 Visual Communication 3 hrs

Free Elective-take outside of NSC 3 hrs

Free Elective-take outside of NSC 3 hrs

Free Elective-take outside of NSC 3 hrs

Junior Year - Spring

ADV 4101 Advertising Copywriting 3 hrs

COM 3311 Communication Research Methods 3 hrs

MMC 3200 Mass Communication Law 3 hrs

Free Elective-take outside of NSC 3 hrs

Free Elective-take outside of NSC 3 hrs

Senior Year - Fall

PUR 3100 Writing for Public Relations 3 hrs

Restricted Elective 3 hrs

Restricted Elective 3 hrs

Select 1: 3 hrs

PUR 4941 Internship 3 hrs

ADV 4941 Internship 3 hrs

Free Elective-take outside of NSC 4 hrs

Graduation Review

Senior Year - Spring

MMC 4411 Ad-PR Campaigns 3 hrs

Restricted Elective 3 hrs

Free Elective-take outside of NSC 3 hrs

Free Elective-take outside of NSC 3 hrs

Free Elective-take outside of NSC 3 hrs

Program Academic Learning Compacts

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

Equipment Fees

Part-Time Student: $22 per term

Full-Time Student: $44 per term
Aerospace Engineering (B.S.A.E.)

College of Engineering and Computer Science
Department of Mechanical, 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. below to minimize excess hours.
   - Students transferring to UCF from 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: 3 hrs
     - Prefer SPC 1603 Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication
     - 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

   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: 3 hrs
     - Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
     - Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
     - 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 4 hrs
     - 1 CHM 2045C Chemistry Fundamentals I or 4 hrs
     - 2 CHM 2040 Chemistry Fundamentals IA or 3 hrs
     - 3 CHM 2041 Chemistry Fundamentals IB 3 hrs

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)
   - EGN 3311 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 3032 Probability and Statistics for Engineers GEP 3 hrs
   - EAS 3010 Fundamentals of Aerospace Flight 3 hrs
   - EAS 3101 Fundamentals of Aerodynamics 3 hrs
   - EAS 3800C Aerospace Engineering Measurements 3 hrs
   - EAS 3810C Design of Aerospace Experiments 3 hrs
   - EAS 4105 Flight Mechanics 3 hrs
   - EAS 4134 High-Speed Aerodynamics 3 hrs
   - EAS 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 4312C Feedback Control 3 hrs
   - EGM 3601 Solid Mechanics 3 hrs
   - EAS 4210 Space Structural Dynamics 3 hrs
   - Select 1: 3 hrs
     - EAS 3550 Space Systems Concepts or 3 hrs
     - EAS 4505 Orbital Mechanics 3 hrs

5. Restricted Electives (9 hrs)
   - Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas.
   - Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
   - These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
   - CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
   - Select 1: 3 hrs
     - EAS 4700C Aerospace Design I or 3 hrs
     - EGN 4412C Interdisciplinary Design I 3 hrs
   - Select 1: 3 hrs
     - EAS 4710C Aerospace Design II or 3 hrs
     - EGN 4413C Interdisciplinary Design II 3 hrs

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None
   - Electives
     - None
   - Additional Requirements
     - None
   - Required Minors
     - None
   - 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 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
- 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
- EAS 4991 Aerospace Career and Academic Faculty 0 hrs

### Freshman Year - Summer 10 hrs
- CHM 2041 Chemistry Fundamentals I 3 hrs
- ENC 1102 Composition IA 4 hrs
- MAC 2312 Calculus with Analytic Geometry I 3 hrs
- GEP 3 hrs

### Sophomore Year - Fall 12 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2049C Physics for Engineers and Scientists I 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

### Sophomore Year - Spring 12 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EGM 3601 Solid Mechanics 3 hrs

### Sophomore Year - Summer 9 hrs
- GEP 3 hrs

### Select 1:
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics

### Junior Year - Fall 15 hrs
- EAS 3800C Aerospace Engineering Measurements 3 hrs
- EAS 3810C Design of Aerospace Experiments 3 hrs
- Upper Division Elective 3 hrs
- EAS 3530 Space Systems Concepts 3 hrs
- EAS 3890 Aerospace Career and Academic Faculty 0 hrs

### Junior Year - Spring 15 hrs
- EAS 4300 Aeroefficientodynamics of Propulsion Systems 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

### Select 1:
- EAS 4700C Aerospace Design I or
- EGN 4412C Interdisciplinary Design I

### Senior Year - Fall 12 hrs
- EAS 4700C Aerospace Design I or
- EGN 4412C Interdisciplinary Design I

### Senior Year - Spring 15 hrs
- EAS 4300 Aeroefficientodynamics of Propulsion Systems 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

### Select 1:
- EAS 4700C Aerospace Design II or
- EGN 4412C Interdisciplinary Design I

### 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](http://www.oeas.ucf.edu/aic/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 used for the major
- 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)
- Select a course from GEP C.2 list

B: Cultural & Historical Foundations (9 hrs)
- Required ANT 2000 General Anthropology
- Select from GEP D.1 list

C: Mathematical Foundations (6 hrs)
- Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics or you may substitute a higher level math with appropriate scores on the Math Placement Exam.

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

D: Social Foundations (6 hrs)
- Required ANT 2000 General Anthropology
- Select from GEP D.1 list

E: Science Foundations (6 hrs)
- Required ANT 2000 General Anthropology
- Select from GEP E.1 list

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)
- Required 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)
- Required 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

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

ANT 3111 Indians of the Southeastern United States 3 hrs
ANT 3112 Ethnology of North American Indians 3 hrs
ANT 3131 Indians of North America High Plains 3 hrs
ANT 3134 Indians of the Northeast Woodlands 3 hrs
ANT 3138 Indians of the Northwest Coast 3 hrs
ANT 3139 Anthropology of Diaspora 3 hrs
ANT 4332 People and Cultures of Latin America 3 hrs
ANT 3148 Life and Death in Ancient Egypt 3 hrs
ANT 3363 Anthropology of Japan 3 hrs
ANT 4144 Prehistory of North America 3 hrs
ANT 4153 North American Archaeology 3 hrs
ANT 4352 African Societies and Cultures 3 hrs
ANT 4354 Postcolonial Africa 3 hrs
ANT 4308 Gender Issues in Latin America 3 hrs
ANT 3164 Ancient Incas 3 hrs
ANT 4340 Caribbean Cultures 3 hrs
ANT 3160 Americas Before Columbus 3 hrs
ANT 3161 Archaeology of Mexico 3 hrs
ANT 3165 Archaeology of South America 3 hrs
ANT 3152 Indians of the Southwest 3 hrs
ANT 3344 Puerto Rican Culture 3 hrs
ANT 3362 Peoples of Southeast Asia 3 hrs

Restricted Electives 18 hrs

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

ANT 3115 Archaeological Method and Theory 3 hrs
ANT 3142 Old World Prehistory 3 hrs
ANT 3212 Peoples of the World 3 hrs
ANT 3241 Magic, Ritual, and Belief 3 hrs
ANT 3245 Native American Religions 3 hrs
ANT 3262 Rural Society 3 hrs
ANT 3273 Law and Culture 3 hrs
ANT 3302 Sex, Gender and Culture 3 hrs
ANT 3398 Black/Seminole Relations 3 hrs
ANT 3541 Biobehavioral Anthropology 3 hrs
ANT 3550 Primatology 3 hrs
ANT 3701 Applied Anthropology 3 hrs
ANT 4802 Ethnographic Field Methods 3 hrs
ANT 4160C Seminar in Laboratory Analysis 3 hrs
ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
ANT 4462 Medical Anthropology 3 hrs
ANT 4516 Human Biological Diversity 3 hrs
ANT 4521 Forensic Anthropology 3 hrs
ANT 4525C Human Osteology 4 hrs
ANT 4528C Advanced Forensic Anthropology 5 hrs
ANT 4824 Advanced Archaeological Fieldwork 9 hrs
ANG 5822 Maya Field Research 3 hrs
ANG 5166 Problems in Maya Studies 3 hrs
ANG 5167 Maya Hieroglyphs 3 hrs
ANG 5228 Maya Iconography 3 hrs
ANG 5622 Language, Culture and Pedagogy 3 hrs
ANG 5742 Problems in Forensic Anthropology 3 hrs
1 ANT 4183 Archaeological Sciences 3 hrs
1 ANT 4184 Mortuary Archaeology 3 hrs
1 ANT 4303 Anthropology of Tourism 3 hrs
1 ANT 4467 Nutritional Anthropology 3 hrs
1 ANT 4702 Culture, Power and Development 3 hrs
ANT 3106 Archaeology and Popular Culture 3 hrs
ANT 3117 Archaeology of Caribbean Piracy 3 hrs
ANT 3330 Cultural Ecology of Amazonia 3 hrs
ANT 3393 American Indian Literature and Culture in Florida 3 hrs
ANT 3450 Living in the USA: Anthropological Perspectives 3 hrs
ANT 3949 Cooperative Education in Anthropology 0 hrs
ANT 4013 Anthropological Perspectives on Fast Food 3 hrs
ANT 3173 Archaeology of Sex 3 hrs
ANT 4308 Gender Issues in Latin America 3 hrs
ANT 4408 Culture, Disease, and Healing 3 hrs
ANT 4560 Anthropological Perspectives on Human Growth 3 hrs

1 Alternatively, you may select the 5000 level equivalent, but not both.
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
- ANT 2140 Archaeology and the Rise of Human Culture
- 3 hrs
- ANT 2410 Cultural Anthropology
- 3 hrs
-Restricted Elective
- 3 hrs
- GEP
- 3 hrs

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

Sophomore Year - Fall
- ANT 2140 Archaeology and the Rise of Human Culture
- 3 hrs
- ANT 2410 Cultural Anthropology
- 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

Junior Year - Fall
- ANT 4586 Human Origins
- 3 hrs
- Foreign Language
- 4 hrs
- Restricted Elective
- 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.o eas.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/
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 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 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
- 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/alc/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.
- 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 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)
   - C: Mathematical Foundations (7 hrs)

   **Take all of the following:** (6 hrs)
   - Required ARH 2050 History of Western Art I and
   - Required ARH 2051 History of Western Art II
   - Select a course from group B.1

   **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)
   - 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 (3 hrs)
   - ARH 2051 History of Western Art II (3 hrs)
   - GRA 1010 Introduction to Computer Art (3 hrs)

   **3. Core Requirements: Basic Level** (18 hrs)
   - ART 2923 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 4734C 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**
   - None

   **Admissions**
   - Met by graduation requirement

   **Graduation**
   - Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

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

   **9. Additional Requirements**
   - None

10. **Required Minors**
   - None

11. **Departmental Exit Requirements**
   - 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.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 - History Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building,
Room: 117
http://www.svad.ucf.edu/
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) (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 STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   1 Prefer MGF 1106 Finite 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) (6 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   ■ ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   ■ ART 2300C Drawing Fundamentals I 3 hrs
   ■ ARH 2050 History of Western Art I GEP
   ■ ARH 2051 History of Western Art II GEP

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 in 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
- 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 - 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

Freshman Year - Fall
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Freshman Year - Spring
- ARH 2051 History of Western Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1000C Basic Statistics Using Microsoft Excel 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Fall
- COM 1000 Introduction to Communication 3 hrs
- POS 2041 American National Government 3 hrs
- ART 2201C Design Fundamentals - Two Dimensional 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs

Sophomore Year - Spring
- ANT 2000 General Anthropology 3 hrs
- BSC 1005 Biological Principles 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- ARH 4540 Art of India 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Junior Year - Fall
- ARH 4310 Italian Renaissance Art 3 hrs
- ARH 4450 20th Century Art 3 hrs
- ARH 3710 History of Photography I 3 hrs
- ARH 4653 Meso American Art 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Junior Year - Spring
- ARH 4430 19th Century Art 3 hrs
- ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
- ARH 3711 History of Photography II 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- Restricted Elective 3 hrs
- ARH 3713 20th Century Photographic History 3 hrs

Senior Year - Fall
- ARH 4350 Baroque Art 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ARH 4XXX 3 hrs

Senior Year - Spring
- ARH 4170 Greek & Roman Art 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ARH 4XXX 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/ab/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 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.
- 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)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>B: Cultural &amp; Historical Foundations</th>
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<tr>
<td>(9 hrs)</td>
<td>(9 hrs)</td>
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**Take all of the following:**

<table>
<thead>
<tr>
<th>Required</th>
<th>ARH 2050 History of Western Art I and ARH 2051 History of Western Art II</th>
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<tbody>
<tr>
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<td>3 hrs</td>
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</table>

Select a course from group B.1

**C: Mathematical Foundations** (6 hrs)

- Prefer: STA 1000C Basic Statistics Using Microsoft Excel 3 hrs

**Select 1:**

- Prefer MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs

1 (may substitute a higher level math)

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

- E: Science Foundations

**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 |
| 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** (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 |

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

**Ceramics**

- ART 3761C Intermediate Ceramics or ART 3764C Ceramic Handbuilding I or ART 4763C Advanced Ceramics

**Drawing**

- ART 3322C Intermediate Drawing or 1 ART 4320C Advanced Drawing

**Drawing/Printmaking Combination**

- ART 3322C Intermediate Drawing or 1 ART 4320C Advanced Drawing or ART 3433C Screenprinting or 1 ART 4402C Advanced Printmaking

**Drawing/Illustration Combination**

- ART 3322C Intermediate Drawing or 1 ART 4320C Advanced Drawing or GRA 3747 Intermediate Illustration I or GRA 4194C Advanced Illustration

**Painting**

- ART 3504C Intermediate Painting or 1 ART 4505C Advanced Painting

**Photography**

- PGY 3410C Intermediate Photography or 1 PGY 4420C Advanced Photography or PGY 4440C Special Problems in Photography

**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 |

**Admissions**

| Met by graduation requirement |

**Graduation**

- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for languages may be used to meet the requirement.

**8. Electives**

Select primarily from upper level courses, with school advisor's approval. May be outside of the department.

**9. Additional Requirements**

| None |

**10. Required Minors**

| None |

**11. Departmental Exit Requirements** (3 hrs)

- ART 4935 BFA Exhibit/Seminar required.
- (BFA Exhibit Seminar is only offered during Spring Semester)
- 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 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 - 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.oecs.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 laptop computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and practical 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 2XXX-4XXX studio or media course. 3 hrs

3. Core Requirements: Basic Level (6 hrs)
   - ART 2201: 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
   - None

5. Restricted Electives (27 hrs)
   - 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
       - 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
       - ART 4644C: Books Without Books 3 hrs
     - 1 May be repeated for credit.
     - Ceramics
       - ART 3761C: Intermediate Ceramics 3 hrs
       - ART 4783C: Advanced Ceramics 3 hrs
     - 1 May be repeated for credit.
     - Illustration
       - GRA 3747: Intermediate Illustration I 3 hrs
       - GRA 4154C: Advanced Illustration 3 hrs
     - 1 May be repeated for credit.
     - Painting
       - ART 3504C: Intermediate Painting 3 hrs
       - ART 4505C: Advanced Painting 3 hrs
     - 1 May be repeated for credit.
     - Photography
       - PGY 2401C: Beginning Photography 3 hrs
       - 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
       - 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
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.
- Complete 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<td>ENC 1101</td>
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<td>MGF 1106</td>
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<td>ART 2823</td>
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Freshman Year - Spring

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<td>ARH 2051</td>
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<tr>
<td>ENC 1102</td>
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<tr>
<td>STA 1060C</td>
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<tr>
<td>ART 2201C</td>
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Sophomore Year - Fall

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<td>ART 2203C</td>
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<tr>
<td>ART 2300C</td>
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<tr>
<td>GRA 2101C</td>
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Junior Year - Fall

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<tr>
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Senior Year - Fall

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<td>ART 4320C</td>
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<tr>
<td>PGY 4420C</td>
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Senior Year - Spring

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<tr>
<td>GRA 4154C</td>
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<tr>
<td>PGY 4420C</td>
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<tr>
<td>Restricted Elective</td>
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</tr>
<tr>
<td>Restricted Elective</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.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 - 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
407-823-2576

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)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations
   1. Select one:
      3 hrs

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (18 hrs)

   ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
   ART 2202C  Design Fundamentals-Three Dimensional  3 hrs
   ART 2300C  Drawing Fundamentals I  3 hrs
   ART 2301C  Drawing Fundamentals II  3 hrs
   ARH 2050  History of Western Art I  GEP
   ARH 2051  History of Western Art II  3 hrs
   C: Mathematical Foundations
   1. Select one:
      3 hrs
   D: Social Foundations
   E: Science Foundations

3. Core Requirements: Basic Level (6 hrs)

   ART 2923  Art as Interface  3 hrs
   ARH 2500  History of Non-Western Art  3 hrs

4. Core Requirements: Advanced Level (3 hrs)

   GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
   ART 3950  Portfolio Review  0 hrs

5. Restricted Electives (21 hrs)

   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

6. Capstone Requirements

   DIG 4855C  Converging Media Capstone  3 hrs

7. Foreign Language Requirements

8. Electives

   (Credit hours are 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

- 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 Technical Entrepreneurship
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 #1B1-GEP
2 req #1C1-GEP

Junior Year - Spring 15 hrs
3 req #1E1-GEP
2 req #1E2-GEP
1 req #1D2-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 #1E1-GEP
2 req #1E2-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 #1A3-GEP
2 req #1D1-GEP

Sophomore Year - Spring 15 hrs
1 ANT 2000 General Anthropology 3 hrs
2 BSC 1005 Biological Principles 3 hrs
2 CHM 1020 Concepts in Chemistry 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
ARH 2500 History of Non-Western Art 3 hrs
ART 3950 Portfolio Review 0 hrs
1 req #1D2-GEP
2 req #1E2-GEP
3 req #1E1-GEP

Junior Year - Fall 15 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
2 Restricted Elective 3 hrs
3 Supporting Elective 1 hr
3 Supporting Elective 3 hrs
1 req #Lang/Elec
2 req #5
3 Check restrictions

Junior Year - Spring 16 hrs
1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
2 Restricted Elective 3 hrs
2 Restricted Elective 3 hrs
3 Supporting Elective 3 hrs
3 Supporting Elective 3 hrs
1 req #Lang/Elec
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

Check restrictions

Program Academic Learning Compacts

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

Dr. Thomas Brewer, ED 122U, tbrewer@mail.ucf.edu, 407-823-3714
Dr. Janet Andreasean, ED 123Q, jandrease@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 Prerequisite courses and Other Program Prerequisites with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)

- Students are strongly advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- 1 Required ARH 2050 History of Western Art I 3 hrs

- A grade of “C-” (1.75) or better is required

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1: (3 hrs)
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

Full-Time Student: $63 per term
Part-Time Student: $31.50 per term
2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (30 hrs)
- ARH 2050 History of Western Art I 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- ART 2754C Beginning Ceramics 3 hrs
- ART 2500C Beginning Painting 3 hrs
- ART 2400C Beginning Printmaking 3 hrs
- PGY 2401C Beginning Photography 3 hrs

4. Core Requirements: Advanced Level (30 hrs)
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Internship I 3 hrs
- Prior to Internship I, the student must have completed 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 II.
- 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/clinical/exp/
- Complete the General Education Program, the Gordon Rule, the University Minimum Exit Requirements, and all required minors.

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.
UCF Degree Programs

Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs

Freshman Year - Summer
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- PSC 1121 Physical Science 3 hrs

Sophomore Year - Fall
- ART 2033 Design Fundamentals-Three Dimensional 3 hrs
- BSC 1005 Biological Principles 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- STA 2014C Principles of Statistics or 3 hrs

Sophomore Year - Spring
- ART 2400C Beginning Printmaking I 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2401C Beginning Photography 3 hrs

Junior Year - Fall
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs

Junior Year - Spring
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ART 2500C Beginning Painting 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- ARE 4250 Art for Exceptionalities 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

Senior Year - Fall
- ARE 4351 Teaching Art in the Elementary School 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- ARE 3940 Internship 3 hrs
- Restricted Electives (Any ART/ARH/ARE/PGY 3/4XXX w/ Advisor approval) 3 hrs

Senior Year - Spring
- ARE 4941 Internship 12 hrs

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

Athletic Training (B.S.)
College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs II, Room: 208
http://www.cohea.ucf.edu/health.pro/athletic_training.shtml
E-mail: atinfo@mail.ucf.edu
Kristen C. Schellhase
407-823-2747

Admission Requirements
- Students may only begin the athletic training program track in the Summer B semester and must have:
  - A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st.
- Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur.
- Acceptance into the University does not constitute admission into the Program in Athletic Training.
- A minimum of 2.75 overall grade point average and a minimum grade of "C" (2.0) in program prerequisites.
- Completion of an AA degree from a Florida 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 BOE 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

Admission

Foreign Language requirement and the Common Program Prerequisites before transferring within the Florida Public University/Community College System

- Students should consult with a departmental advisor

- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Program in Athletic Training, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflicts

- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours

- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations (9 hrs)

- Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

- Required STA 2023 Statistical Methods I
- Required MAC 1114 College Trigonometry

C: Mathematical Foundations (6 hrs)

- Required STA 2023 Statistical Methods I
- Required MAC 1114 College Trigonometry

D: Social Foundations (6 hrs)

- Required POS 2041 American National Government
- Required PSY 2012 General Psychology

E: Science Foundations (8 hrs)

- Required BSC 2010C Biology I
- Required CHM 2045C Chemistry Fundamentals I

2. Common Program Prerequisites (CPP) (15 hrs)

- The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.

Select 1:

- One of the following courses must be taken as a prerequisite or corequisite to complete the remaining requirements.

- PHY 2053C College Physics I or
- PHY 2048C Physics for Engineers & Scientists I

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (62 hrs)

- 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
- ATR 3102 Principles of Athletic Training
- ATR 3012C Clinical Skills for Athletic Trainers I
- ATR 3812L Practicum in Athletic Training I
- HSC 3147 Introduction to Pharmacology
- ATR 3212C Recognition and Evaluation of Athletic Injuries I
- PET 4315C Biomechanics of Sport
- ATR 3822L Practicum in Athletic Training II
- ATR 4212C Recognition and Evaluation of Athletic Injuries II
- ATR 3013C Clinical Skills for Athletic Training II
- ATR 4313C Therapeutic Exercise in Athletic Training
- ATR 4320C Therapeutic Modalities in Athletic Training
- ATR 4512C Organization and Administration of Athletic Training
- PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance
- ATR 4315C Advanced Rehabilitation in Athletic Training
- ATR 4832L Practicum in Athletic Training III
- PET 4606 Applied Fitness in Sport
- ATR 4842L Practicum in Athletic Training IV
- ATR 4103 Sports Medicine Field Application
- ATR 4933 Athletic Training Seminar

5. Restricted Electives

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

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

#### 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 2045C  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
- HUM 2002  Modern Concepts in Nutrition  3 hrs
- PCB 3703C  Human Physiology  4 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

**Select 1:**
- MUL 210  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

### Sophomore Year - Summer
- ATR 4014C  Introduction to Athletic Training  3 hrs
- ATR 3102  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.

#### Junior 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.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.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](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.
Select one of the following sequences of courses:

- NOTE: These courses are considered to be equivalents:

  - CHM 2045C Chemistry Fundamentals I  GEP
  - or
  - CHM 2040 Chemistry Fundamentals IA and  GEP
  - and
  - CHM 2041 Chemistry Fundamentals IB  GEP

Complete one entire physics sequence:

  - PHY 2049C Physics for Engineers & Scientists I and  4 hrs
  - or
  - PHY 2049H Physics for Engineers and Scientists II  4 hrs
  - and
  - PHY 2053C College Physics I and  4 hrs
  - or
  - 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.

Complete one entire chemistry sequence:

  - CHM 2210 Organic Chemistry I and  3 hrs
  - and
  - CHM 2211 Organic Chemistry II and  3 hrs
  - and
  - CHM 2211L Organic Laboratory Techniques I  2 hrs
  - and
  - CHM 3120 Analytical Chemistry and  3 hrs
  - and
  - 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.
- Students must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department. Courses offered by the Department of Biology have been identified. Additional courses may be used to meet a group requirement with approval of the undergraduate program coordinator via petition.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Courses at the 5000 level are only open to seniors and beginning graduate students.

- 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
  - PB 4524 Molecular Biology II or  3 hrs
  - PCB 4672 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

### ZOO 3733C Human Anatomy or
4 hrs

### ZOO 4603C Embryology/Development or
5 hrs

### ZOO 4753C Vertebrate Histology
4 hrs

1. Fulfills Botany requirement. Offered in Biology department.
2. Offered in Biology department.
3. Fulfills Zoology requirement. Offered in Biology department.

### Environmental Complete a minimum of one lecture course from this group.
3 hrs

- BOT 3018C Culinary Botany Across the Cultures or
3 hrs
- BOT 3152C Local Flora or
3 hrs
- BOT 3802 Ethnobotany or
3 hrs
- BOT 4156C Florida Wildflowers or
4 hrs
- BOT 4686C Conservation and Management of Native Plants or
4 hrs
- BOT 4850 Medicinal Botany or
3 hrs
- BSC 4352C Marine Biology or
4 hrs
- BSC 4330 Invasion Biology or
3 hrs
- BSC 5288 Tropical Biology Research and Conservation or
3 hrs
- BSC 5824 Biogeography or
4 hrs
- PCB 3044C Principles of Ecology Laboratory or
1 hr
- PCB 3304C River Ecology or
4 hrs
- PCB 3355C Tropical Marine Biology or
2 hrs
- PCB 3442 Aquatic Ecology or
3 hrs
- PCB 5326C Ecosystems of Florida or
5 hrs
- PCB 5435C Marine Ecology of Florida or
4 hrs
- PCB 5485 Models in Ecology or
3 hrs
- PAZ 4234 Zoo and Aquarium Management or
3 hrs
- ZOO 4513 Animal Behavior
3 hrs

1. Fulfills Botany requirement. Offered in Biology department.
2. Offered in Biology department.
3. Fulfills Zoology requirement. Offered in Biology department.

### Systematic Complete a minimum of one lecture course from this group.
3 hrs

- BOT 4434C General Mycology or
4 hrs
- BOT 4713C Plant Taxonomy or
5 hrs
- BOT 5485C Terrestrial Cryptogams or
3 hrs
- ENY 4004C General Entomology or
4 hrs
- ENY 5006C Entomology or
4 hrs
- MCB 3020C General Microbiology or
5 hrs
- ZOO 6205C Invertebrates or
4 hrs
- ZOO 4310C Vertebrate Evolution & Ecology or
4 hrs
- ZOO 4480 Mammalogy or
4 hrs
- ZOO 4606C Ichthyology or
4 hrs
- ZOO 5466C Herpetology or
4 hrs
- ZOO 5475L Field Ornithology
3 hrs

1. Fulfills Botany requirement. Offered in Biology department.
2. Fulfills Zoology requirement. Offered in Biology department.

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements
- None

### 8. Electives
- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.

- 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
- Environmental Engineering
- Biomedical Sciences
- Science Education - Biology

### Certificates
- None

### Related Minors
- Biology
- Environmental Studies
- Biomedical Sciences

### Advising Notes
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

### 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.

### Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C.
  - Although the CPP is satisfied by BSC X011C, it will not satisfy prerequisites for subsequent Biology courses.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010 and BOT X010 with labs.
  - CHM 2045C: may use CHM X040 plus CHM X041.
- Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
- Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://chmplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test – http://mathplacement.sdes.ucf.edu/

### Freshman Year - Fall
- 15 hrs
- BSC 2010C 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
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.oes.ucf.edu/alic/academic_learning_compacts.htm

Equipment Fees

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

UCF Degree Programs

Biology - Preprofessional Concentration (B.S.)

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
BSC 2011C Biology II 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
Free Elective 3 hrs

Sophomore Year - Fall
MAC 2311 Calculus with Analytic Geometry I 4 hrs
STA 2023 Statistical Methods I 3 hrs
CHM 2210 Organic Chemistry I 3 hrs
PCB 3044 Principles of Ecology 3 hrs

Sophomore Year - Spring
CHM 2211 Organic Chemistry II 3 hrs
PCB 3063 Genetics 3 hrs
GEP 3 hrs
Restricted Elective 5 hrs
Free Elective 2 hrs

Junior Year - Fall
PHY 2053C College Physics I 4 hrs
PCB 3023 Molecular Cell Biology 3 hrs
Restricted Elective 5 hrs
Free Elective 3 hrs

Junior Year - Spring
PHY 2054C College Physics II 4 hrs
Restricted Elective 4 hrs
Restricted Elective 4 hrs
Free Elective 3 hrs

Senior Year - Fall
PCB 4883 Evolutionary Biology 4 hrs
GEP 3 hrs
GE 3 hrs
GEP 3 hrs
Free Elective 3 hrs

Senior Year - Spring
1 CHM 2211L Organic Laboratory Techniques I 2 hrs
GEP 3 hrs
Restricted Elective 4 hrs
Free Elective 4 hrs
GEP 3 hrs

1 May be taken in an earlier term if space permits.

Program Academic Learning Compacts

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

Equipment Fees

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

Freshman Year - Fall
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)

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations

B: Cultural & Historical Foundations

C: Mathematical Foundations

- Mathematics: 4 hrs
- Note: Prior to enrolling in Math, take Math Placement Test – http://mathplacement.sdes.ucf.edu/
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

Statistics:

- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations

E: Science Foundations

- Required BSC 2010C Biology I 4 hrs

Select the sequence identified by the Chemistry Placement exam;
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score
- An equivalent one semester course for students entering without these classes

Upon reaching junior standing, Biology majors are expected to have completed the following courses. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

BSC 2010C Biology I 4 hrs
BSC 2011C Biology II 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
PHY 2053C College Physics I 4 hrs
PHY 2054C College Physics II 4 hrs

2. Common Program Prerequisites (CPP)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.

BSC 2010C Biology I GEP
BSC 2011C Biology II GEP
CHM 2045C Chemistry Fundamentals I GEP
CHM 2046 Chemistry Fundamentals II GEP
CHM 2046L Chemistry Fundamentals Laboratory GEP
MAC 2311 Calculus with Analytic Geometry I GEP
STA 2023 Statistical Methods I GEP
UCF Degree Programs

Complete one entire physics sequence:

- PHY 2053C College Physics I and 4 hrs
- PHY 2054C Physics for Scientists I and 4 hrs

Complete a minimum of one lecture course from this group.

- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers & 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
- Complete a minimum of one lecture course from this group.

- CHM 2045C Chemistry Fundamentals I GEP
- CHM 2040 Chemistry Fundamentals IA and GEP
- 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 Chemistry Laboratory 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 Genomics 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 zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
- 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.

- BCH 4053 Biochemistry I or 3 hrs
- BCH 4054 Biochemistry II or 3 hrs
- 1 BSC 4454 Research in Animal Physiology or 2 hrs
- 2 PCB 3024 Molecular Cell Biology or 2 hrs
- 2 PCB 3043 Molecular Cell Biology Laboratory or 1 hr
- PCB 3233 Immunology or 3 hrs
- 2 PCB 4514 Genetics II or 3 hrs
- 2 PCB 4678 Evolution and Medicine or 3 hrs
- 1 PCB 4723 Animal Physiology or 4 hrs
- 2 PCB Human Genetics or 4 hrs
- 5665C
- 1 ZOO Comparative Vertebrate Anatomy or 5 hrs
- 3713C
- 1 ZOO Embryology/Development or 5 hrs
- 4603C
- ZOO 4753C Vertebrate Histology 4 hrs

1 Fulfills Zoology requirement. Offered in Biology department.
2 Offered in Biology department.

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).

- 1 Fulfills Zoology requirement. Offered in Biology department.

1 Fulfills Botany requirement. Offered in Biology department.
An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses (sections 3 and 4) and the following courses prior to taking the MCAT exam:

- MCB 3020C General Microbiology 5 hrs
- PCB 4524 Molecular Biology II 3 hrs

Transfer Notes
- Lower Division courses 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 undergraduate program coordinator for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following selections are acceptable for common program prerequisites if taken as part of the AA course work:
  - PCB 3020C: May substitute the Honors version PCB X040C.
  - Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010C and BOT X010C.
  - CHM 2045C: may use CHM X040 plus CHM X041.
  - Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and must be taken.
  - Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test - http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test - http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- Math prerequisite/Restricted Elective 4 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Math prerequisite/Restricted Elective 4 hrs

Sophomore Year - Fall

- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- GEP 3 hrs

Sophomore Year - Spring

- CHM 2211 Organic Chemistry II 3 hrs
- PCB 3063 Genetics 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall

- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring

- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- PCB 4683 Evolutionary Biology 4 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Senior Year - Fall

- Restricted Elective 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 4 hrs
- Free Elective 2 hrs

Senior Year - Spring

- 1 CHM 221L Organic Laboratory Techniques I 2 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Free Elective 2 hrs
- Free Elective 3 hrs

1 May be taken earlier if space permits.

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: $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

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

- 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

Select 1: 4 hrs
- Suggested MAC 2311 Calculus with Analytic Geometry I or
- Suggested MAC 2253 Applied Calculus I 3 hrs

Select 1: 3 hrs
- Suggested STA 2023 Statistical Methods I or
- Suggested CGS 1060C Introduction to Computer Science 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Select 2: 4 hrs
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- BSC 2010C Biology I GEP
- 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
- MAC 2311 Calculus with Analytic Geometry I GEP
Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Courses</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>PHY 2053C College Physics I and</td>
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<tr>
<td></td>
<td>PHY 2054C College Physics II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>or</td>
<td>PHY 2048C Physics for Engineers &amp; Scientists I and</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level
Math, Statistics, Computer

Select 1:
- MAC 2311 Calculus with Analytic Geometry I or
- MAC 2233 Calculus I

Select 1:
- STA 2023 Statistical Methods I or
- CGS 1060C Introduction to Computer Science

3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper
division courses regardless of the institution.

4. Core Requirements: Advanced Level
Life Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MCB 3020C General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>MCB 4414 Microbial Metabolism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4239 Molecular Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3233L Immunology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3522 Molecular Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4524 Molecular Biology II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 3403C Quantitative Biological Methods</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Chemistry

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053 Biochemistry I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives
(7 courses minimum)

7. Foreign Language Requirements
Admissions

- Two years of one foreign language in high school, or one year of
  one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Variable. Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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):
  BSC 3403H Quantitative Biological Methods-Honors
- Complete the following with a grade of B or better and successfully
  complete the oral defense of the Honors Thesis (3 credits):
  MCB 4979H Honors Undergraduate Thesis II

Related Programs

- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences
## Plan of Study

<table>
<thead>
<tr>
<th>Level</th>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td><strong>Freshman Year</strong></td>
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<tr>
<td></td>
<td>ENC 1101 Composition I</td>
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</tr>
<tr>
<td></td>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
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<td></td>
<td>MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
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<tr>
<td></td>
<td>PSY 2012 General Psychology</td>
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<tr>
<td></td>
<td>SYG 2000 Introduction to Sociology</td>
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</tr>
<tr>
<td></td>
<td>ANT 2000 General Anthropology</td>
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<tr>
<td><strong>Sophomore Year</strong></td>
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<td></td>
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<tr>
<td></td>
<td>CHM 2210 Organic Chemistry I</td>
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<tr>
<td></td>
<td>MCB 3020C General Microbiology</td>
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<tr>
<td></td>
<td>MAC 2311 Calculus with Analytic Geometry I or Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>MAC 2253 Applied Calculus I</td>
<td>3 hrs</td>
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<tr>
<td>Select 1:</td>
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<tr>
<td></td>
<td>EUH 2000 Western Civilization I or U.S. History</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>AMH 2010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>WOH 2012 World Civilization I or Humanistic Tradition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>HUM 2210 Humanistic Tradition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Junior Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHM 2211 Organic Chemistry II</td>
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<tr>
<td></td>
<td>CHM 2211L Organic Laboratory Techniques I</td>
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<td>BSC 3403C Quantitative Biological Methods</td>
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<tr>
<td></td>
<td>STA 2023 Statistical Methods I or Introduction to Computer Science</td>
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<tr>
<td></td>
<td>CGS 1060C Introduction to Computer Science</td>
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<tr>
<td></td>
<td>EUH 2001 Western Civilization II or U.S. History</td>
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<tr>
<td></td>
<td>AMH 2020 U.S. History: 1877-Present or Humanistic Tradition II</td>
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<tr>
<td></td>
<td>HUM 2230 Humanistic Tradition II or World Civilization I</td>
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<tr>
<td></td>
<td>WOH 2022 World Civilization II</td>
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<tr>
<td><strong>Senior Year</strong></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>PCB 3522 Molecular Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>BSC 2011C Biology II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### A Note for Students

- Students enrolling in a two-semester sequence course (e.g., General Chemistry) at a community college are encouraged to complete the course at UCF, but students may request to substitute credits.
- Students may request to substitute with: CHM 2041C, CHM 2040C, or BSC 3403C.
- Students may request to substitute with: Human Anatomy and Physiology I requirement at the community college for General Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF.
- Students meeting the total GEP hours to more than 36.
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
- Students must 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-clinical Advisement Office in HPA I 124.

### Undergraduate Catalog 2011-2012

- **UCF Degree Programs**
- **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 must complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students must consult with a Departmental advisor and the Pre-clinical Advisement Office in HPA I 124.

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

- Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.
A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 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

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Required BSC 2011C Biology I
Required CHM 2045C Chemistry Fundamentals I

2. Common Program Prerequisites (CPP) (16 hrs)
See Common Prerequisites in the Transfer and Transitions Services section for more information.

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

3. Core Requirements: Basic Level (10 hrs)
Life Sciences: Basic
SLS 2311C Overview of Select Medical Careers 2 hrs

Math, Statistics, Computers
Select 1: 4 hrs
MAC 2311 Calculus with Analytic Geometry I or
MAC 2233 Applied Calculus I

Select 1: 3 hrs
STA 2023 Statistical Methods I or
CGS 1060C Introduction to Computer Science

Chemistry
Take all of the following: 8 hrs
CHM 2210 Organic Chemistry I and
CHM 2211 Organic Chemistry II and
CHM 2211L Organic Laboratory Techniques I

4. Core Requirements: Advanced Level (25 hrs)
Life Sciences: Advanced
MOC 3020C General Microbiology 5 hrs
MOC 4414 Microbial Metabolism 3 hrs
PCB 4239 Molecular Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 4522 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

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
MOC 3203 Pathogenic Microbiology 3 hrs
MOC 3404 Bacterial Genetics and Physiology 3 hrs
MOC 4203 Infectious Processes 3 hrs
MOC 4276 Epidemiology of Infectious Diseases 3 hrs
MOC 4312 Molecular Biotechnology 3 hrs
MOC 4503C Virology 3 hrs
MOC 5225 Molecular Biology of Disease 3 hrs
MLS 3305 Hematology 3 hrs
MLS 4334 Hemostasis 3 hrs
MLS 4430C Clinical Parasitology 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

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 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.
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 3 hrs or SYG 2000 Introduction to Sociology 3 hrs or 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 MAC 2253 Applied Calculus I 4 hrs
- Select 1: EUH 2000 Western Civilization I or AMH 2010 U.S. History: 1492-1877 or WOH 2022 World Civilization I or HUM 2210 Humanistic Tradition I 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

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 1 PHY 2048C Physics for Engineers & Scientists I 4 hrs

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: ECO 2013 Principles of Macroeconomics or POS 2041 American National Government 3 hrs

Senior Year - Fall
- MCB 4414 Microbial Metabolism 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- POS 2041 American National Government 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Biotechnology (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health 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

Preferred
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Required
- Select 1: 4 hrs
  - MAC 2311 Calculus with Analytic Geometry I
  - MAC 2311 Calculus with Analytic Geometry I
- Required
- MAC 2253 Applied Calculus I 3 hrs

C: Mathematical Foundations

Required
- STA 2023 Statistical Methods I 3 hrs

Select 1:
- 4 hrs
  - MAC 2311 Calculus with Analytic Geometry I
  - MAC 2311 Calculus with Analytic Geometry I

D: Social Foundations (6 hrs)

Required
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Required
- BSC 2010C Biology I 4 hrs

B: Institutional Foundations

Required
- Select 1: 3 hrs
  - BCH 4053C Biology I 4 hrs
  - BCH 4053C Biology I 4 hrs

A: Community Foundations

Required
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs

Preferred
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

C: Mathematical Foundations

Required
- STA 2023 Statistical Methods I 3 hrs

Select 1:
- 4 hrs
  - MAC 2311 Calculus with Analytic Geometry I
  - MAC 2311 Calculus with Analytic Geometry I

D: Social Foundations (6 hrs)

Required
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Required
- BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- BSC 2010C Biology I GEP
- 1 BSC 2011C Biology I 4 hrs
- 1 CHM 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 2511 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 4239 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs

Chemistry

- BCH 4053 Biochemistry I 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2211L Organic Laboratory Techniques I 2 hrs

Physics

Select one of the following sequences of courses:

- PHY 2053C College Physics I and 4 hrs
  - PHY 2054C College Physics II 4 hrs
- or
- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Math

Select 1: 3 hrs
- MAC 2311 Calculus with Analytic Geometry I or GEP
- MAC 2253 Applied Calculus I or GEP

5. Restricted Electives (6 hrs)

- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship.
- Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.
- Those students who do not qualify for the MCB 4970H may elect MCB 4912, Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.

- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- MCB 3203 Pathogenic Microbiology 3 hrs
- MCB 3404 Bacterial Genetics and Physiology 3 hrs
- MCB 4203 Infectious Processes 3 hrs
- MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
- MCB 4503C Virology 3 hrs
- MCB 4603 Environmental Microbiology 3 hrs
- MCB 5225 Molecular Biology of Disease 3 hrs
- MCB 5505 Molecular Virology 3 hrs
- MCB 5654 Applied Microbiology 3 hrs
- MCB 5932 Current Topics in Molecular Biology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3703C Human Physiology 4 hrs
- PCB 4251 Tissue Engineering 3 hrs
- PCB 4805 Endocrinology 3 hrs
- PCB 5238 Immunobiology 3 hrs
- PCB 5275 Signal Transduction Mechanisms 3 hrs
- PCB 5236 Cancer Biology 3 hrs
- MCB 4912 Directed Independent Research 3 hrs
- MCB 4970H Honors Undergraduate Thesis II 3 hrs
- MCB 3203L Pathogenic Microbiology Lab 1 hr

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Variable

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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:
  - 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
  - MCB 4970H Honors Undergraduate Thesis II 3 hrs

Related Programs
- Biology
- Chemistry
- Medical Laboratory Sciences
- Biomedical Sciences

Certificates
- None

Related Minors
- Biology
- Chemistry
- Biomedical Sciences

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a 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

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 X203 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: CHM 3403C
- CHM 2045C Chemistry Fundamentals I may be substituted with: CHM 2040
- CHM 2045C Chemistry Fundamentals I may be substituted with: CHM 2041 4 hrs

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Select 1: 3 hrs
  - PSY 2012 General Psychology or 3 hrs
  - SYG 2000 Introduction to Sociology or 3 hrs
  - ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SPC 1803 Fundamentals of Technical Presentations 3 hrs
- CHM 2048 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: 4 hrs
  - MAC 2311 Calculus with Analytic Geometry I or 4 hrs
  - MAC 2253 Applied Calculus I 3 hrs
- Select 1: 3 hrs
  - EUH 2000 Western Civilization I or 3 hrs
  - AMH 2010 U.S. History: 1492-1877 or 3 hrs
  - WOH 2012 World Civilization I or 3 hrs
  - HUM 2210 Humanistic Tradition I 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: 3 hrs
  - STA 2023 Statistical Methods I or 3 hrs
  - CGS 1000 Introduction to Computer Science 3 hrs
- Select 1: 3 hrs
  - EUH 2001 Western Civilization II or 3 hrs
  - AMH 2020 U.S. History: 1877-Present or 3 hrs
  - HUM 2230 Humanistic Traditions II or 3 hrs
  - 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: 3 hrs
  - ECO 2013 Principles of Macroeconomics or 3 hrs
  - POS 2041 American National Government 3 hrs
- Select 1: 4 hrs
  - PHY 2053C College Physics I or 4 hrs
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs

  1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Junior Year - Spring
- MAC 2311 Calculus with Analytic Geometry I or 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs
  - PHY 2049C Physics for Engineers & Scientists II 4 hrs

  1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall
- BOH 4053 Biochemistry I 3 hrs
- MCB 4721C Methods in Biotechnology 3 hrs
- MCB 4312 Molecular Biotechnology 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
- MCB 4414 Microbial Metabolism 3 hrs
- Restricted Elective 3 hrs

  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]:

Junior Year - Fall
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
- MCB 3020C General Microbiology 5 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring
- PCB 3522 Molecular Biology I 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- BHC 4053 Biochemistry I 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- MCB 4414 Microbial Metabolism 3 hrs
- MCB 4721C Methods in Biotechnology 3 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- Elective 3000 level 3 hrs

Senior Year - Spring
- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oews.ucf.edu/ual 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 (Clemont 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 into the program and students must have a "C" (2.0) or better in each Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of "C" (2.0) or better in each course applied toward the major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations
   - Suggested: SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required: MAC 1140 Pre-Calculus Algebra 3 hrs
   - Required: STA 2023 Statistical Methods I 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Suggested: ECO 2013 Principles of Macroeconomics 3 hrs
   - Suggested: ECO 2023 Principles of Microeconomics 3 hrs

   D: Social Foundations (6 hrs)
   - Suggested: ANT 2000 General Anthropology or 3 hrs

   Select 1: (3 hrs)
   - Suggested: ECO 2013 Principles of Macroeconomics or 3 hrs
   - Suggested: ECO 2023 Principles of Microeconomics 3 hrs

   Select 1: (3 hrs)
   - Suggested: ECO 2013 Principles of Macroeconomics or 3 hrs
   - Suggested: ECO 2023 Principles of Microeconomics 3 hrs

   2. UCF General Education Program (GEP) (36 hrs)
   - Better in each course applied toward the major.

   Select 1: (3 hrs)
   - Suggested: ECO 2013 Principles of Macroeconomics or 3 hrs
   - Suggested: ECO 2023 Principles of Microeconomics 3 hrs

   Select 1: (3 hrs)
   - Suggested: ANT 2000 General Anthropology or 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Required: MAC 1140 Pre-Calculus Algebra 3 hrs
   - Required: STA 2023 Statistical Methods I 3 hrs

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

Select one of the following sequences of courses:
- Must earn a "C" (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

   E: Science Foundations (6 hrs)
   - Suggested: PSY 2012 General Psychology or 3 hrs
   - Suggested: SYG 2000 Introduction to Sociology 3 hrs

   2. Common Program Prerequisites (CPP) (18 hrs)
   - Must be completed with a "C" (2.0) or better.
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs
   ECO 2013 Principles of Macroeconomics 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Must earn a "C" (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

   ECO 3401 Quantitative Business Tools I 3 hrs
   or
   MAC 2233 Concepts of Calculus and 3 hrs
   STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (32 hrs)
   First of subsequent semester in the College of Business Administration:

   BUL 3130 Legal and Ethical Environment of Business 4 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   FIN 3403C Business Finance 4 hrs
   1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   GEB 3375 Introduction to International Business 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs
   MAR 3203 Supply Chain Management 4 hrs

1 Required in the 1st or 2nd semester
2 Must be taken with GEB 3031

5. Restricted Electives
- None

6. Capstone Requirements (4 hrs)
   MAN 4720 Strategic Management 4 hrs
   This course is taken in the graduating term and requires the following prerequisites:
   FIN 3403C Business Finance 4 hrs
   1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs

1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- Existing non-business minor offered at Regional Campuses

11. Departmental Exit Requirements
- None
University of Central Florida

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
- 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 majored.
- 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

Accetable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting may be substituted with ACG X001 and X011.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.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
407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Chemistry majors are discouraged from taking courses as a transient student at a 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.

Chemistry (B.S.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<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>

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)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Prefer STA 2233 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (24 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Prior to enrolling in Chemistry, you must take the Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu

<table>
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<tr>
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<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>
</tbody>
</table>

Related Minors
- None

Advising Notes
- None

Related Programs
- 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 majored.
- 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
- ACG 2021 Principles of Financial Accounting may be substituted with ACG X001 and X011.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.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

**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 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

### 3. Core Requirements: Basic Level (4 hrs)
- BSC 2010C Biology I  
  GEP
- MAC 2313 Calculus with Analytic Geometry III  
  4 hrs
- PHY 2048C Physics for Engineers & Scientists I  
  GEP/CPP
- PHY 2049C Physics for Engineers and Scientists II  
  CPP

#### Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or  
  GEP
- STA 2023 Statistical Methods I  
  GEP

### 4. Core Requirements: Advanced Level (34 hrs)
- BCH 4053 Biochemistry I  
  3 hrs
- CHM 3120 Analytical Chemistry  
  3 hrs
- CHM 3120L Analytical Chemistry Laboratory  
  1 hr
- CHM 3212L Organic Laboratory Techniques II  
  2 hrs
- CHM 3410 Physical Chemistry I  
  4 hrs
- CHM 3411 Physical Chemistry II  
  3 hrs
- CHM 3411L Physical Chemistry Laboratory  
  2 hrs
- CHM 4610 Inorganic Chemistry  
  3 hrs
- CHM 4610L Inorganic Chemistry Laboratory  
  2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique  
  3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory  
  2 hrs
- CHM 4912 Directed Independent Research  
  4 hrs
- CHM 4930 Chemistry Seminar I  
  1 hr
- CHM 4931 Chemistry Seminar II  
  1 hr

### 5. Restricted Electives (6 hrs)
- **Directed Electives** 3 hrs
  - Course will be selected with the aid of a departmental advisor and approved in advance by the department chair. Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements
- Admissions
  - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

### 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements
- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following will not be applied in the determination of the Chemistry GPA:
  - CHM 4912 Directed Independent Research  
    4 hrs
- CHM 4930 Chemistry Seminar I  
  1 hr
- CHM 4931 Chemistry Seminar II  
  1 hr

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
- 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
- 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
- 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

15 hrs
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.

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

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

- 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 (14 hrs)

   BSC 2010C Biology I 4 hrs
   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 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
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
- MCB 3020C: General Microbiology 5 hrs
- PC 3023: Molecular Cell Biology 3 hrs
- PC 3063: Genetics 3 hrs

5. Restricted Electives
- (10 hrs)
- Select from the following:
  - CHM 4220: Organic Chemistry III or
  - CHM 5225: Advanced Organic Chemistry 3 hrs

Additional physical, biological, and mathematical sciences courses:
- In addition to those listed above, courses 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.
<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>BCH 4053</td>
<td>3 hrs</td>
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<tr>
<td>PCB 3023</td>
<td>3 hrs</td>
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<tr>
<td>CHM 3212L</td>
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<td>BCH 4054</td>
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<tr>
<td>BCH 4103L</td>
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<table>
<thead>
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<tbody>
<tr>
<td>CHM 3410</td>
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<td>CHM 4930</td>
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<tr>
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<table>
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<tr>
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<tr>
<td>CHM 3411L</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4610</td>
<td>3 hrs</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.ceas.ucf.edu/aic/academic_learning_compacts.htm](http://www.ceas.ucf.edu/aic/academic_learning_compacts.htm)

**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](http://www.cece.ucf.edu)

Carol Ann Pohl, carol.pohl@ucf.edu

Dr. F. Necati Catbas, fikret.catbas@ucf.edu

407-323-2041

**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)**
   - 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 class from Social Foundation Group 1 3 hrs
   - Select one class from Social Foundation Group 2 3 hrs

   **E: Science Foundations (7 hrs)**
   - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Prefer GEO 1200 Physical Geography 3 hrs

2. **Common Program Prerequisites (CPP)**
   - 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

   Select one of the following sequences of courses:
   - **Preferred course**
     - CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
   - **or** First alternative: Select all of the following:
     - CHM 2040 Chemistry Fundamentals IA and IB 3 hrs
     - CHM 2041 Chemistry Fundamentals IB 3 hrs
   - **or** Second alternative
     - CHM 2045C Chemistry Fundamentals I 4 hrs

3. **Core Requirements: Basic Level (2 hrs)**
   - EGN 1006C Introduction to the Engineering Profession 1 hr
   - EGN 1007C Engineering Concepts and Methods 1 hr

4. **Core Requirements: Advanced Level (63 hrs)**
   - **1 EGN 3310 Engineering Analysis-Statics** 3 hrs
   - **1 EGN 3321 Engineering Analysis-Dynamics** 3 hrs
   - **1 EGN 3331 Mechanics of Materials** 3 hrs
   - **1 EGN 3343 Thermodynamics** 3 hrs
   - **1 EGN 3613 Engineering Economic Analysis** 2 hrs
   - **1 ENV 3001 Introduction to Environmental Engineering** 3 hrs
   - **1 CCE 4003 Introduction to the Construction Industry** 3 hrs
   - **1 STA 3032 Probability and Statistics for Engineers** GEP
   - **1 CGN 3700C Civil Engineering Measurements** 4 hrs
   - **1 CGN 3501C Civil Engineering Materials** 3 hrs
   - **1 CEG 4011C Geotechnical Engineering I** 4 hrs
   - **1 CES 4100C Structural Analysis I and Lab** 4 hrs
   - **1 CWR 3201 Engineering Fluid Mechanics** 3 hrs
   - **1 CWR 4632C Water Resources Engineering I** 4 hrs
   - **1 TTE 3810 Highway Engineering** 3 hrs
   - **1 ENV 4531 Environmental Engineering Operations & Processes I** 3 hrs
   - **1 CES 4605 Steel Structures** 3 hrs
   - **1 CES 4702 Reinforced Concrete Structures** 3 hrs

   **Select 3:**
   - Take 3 from the following:
     - CEG 4012 Geotechnical Engineering II or 3 hrs
     - CWR 4633C Water Resources Engineering II or 3 hrs
     - ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
     - TTE 4274 Transportation Engineering Systems 3 hrs

   1 A “C” (2.0) or better is required in this course.
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.

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
  - 4801C
- CES 4743C Structural Design or
  - 4812C
- 1 ENV 4562C Environmental Engineering Water Treatment Design or
  - TTE 4601C Urban Systems Design 3 hrs

1 A 'C' (2.0) or better is required in this course.

7. Foreign Language Requirements
Admissions
- Two years of foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Construction Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Mathematics
- Engineering Leadership

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes
- Courses taken from 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 syllabus) with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- GEP 6 hrs
- MAC 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

Discipline Depth 6 hrs
- CEG 4012 Geotechnical Engineering II or
- CWR 4633C Water Resources Engineering II or
- ENV 4561 Environmental Engineering Operations & Processes II or
- TTE 4274 Transportation Engineering Systems 3 hrs
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
http://www.cohpa.ucf.edu/comdis/

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 adviser |
| 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)

Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Select 1:

| Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I |

Select 1:

| Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics |

D: Social Foundations (6 hrs)

Suggested PST 2012 General Psychology 3 hrs

Select 1: 3 hrs

Suggested ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

Suggested ECO 2023 Principles of Microeconomics 3 hrs

Suggested POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)

Prefer BSC 1005 Biological Principles 3 hrs

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 (56 hrs)

Core Requirements 53 hrs

DEP 2004C Developmental Psychology 3 hrs

SPA 3471 Communication Disorders in Literature and Media 3 hrs

SPA 3101 Physiological Bases of Speech and Hearing 3 hrs

SPA 3112 Basic Phonetics 3 hrs

SPA 3112L Basic Phonetics Lab 1 hr

LIN 3716 Language Development 3 hrs

LIN 3716L Language Development Lab 2 hrs

SPA 3011 Speech Science I: Production 3 hrs

SPA 3011L Speech Production Lab 1 hr

SPA 30104 Neural Bases of Communication 3 hrs

SPA 3123 Speech Science II: Perception 3 hrs

SPA 3123L Speech Perception Lab 1 hr

SPA 4476 Speech Disorders Across the Lifespan 3 hrs

SPA 4032 Audiology 3 hrs

SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs

SPA 4400 Language Disorders Across the Life Span 3 hrs

SPA 4321 Audiolinguistic Rehabilitation 3 hrs

LIN 3713 Language Science 3 hrs

SPA 4870C Capstone Course 3 hrs

Select 1: 3 hrs

EAB 3703C Principles of Behavior Modification or EEX 4601 Introduction to Behavior Management or EEC 4604 Classroom Management and Guidance for Young Children or EDF 3303 Learning Environments and Guidance for Young Children or SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs

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 2014C Principles of Statistics and SPA 4803 Research Methods in Communication Sciences and Disorders or 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 4870C</td>
<td>3 hrs</td>
</tr>
</tbody>
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#### 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

**Electives**
- Students can choose 12 hours of electives. A minor or certificate is encouraged.

**Required Minors**
- None

**Additional 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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 2.0 UCF GPA</td>
<td></td>
</tr>
<tr>
<td>60 semester hours earned after CLEP awarded</td>
<td></td>
</tr>
<tr>
<td>48 semester hours of upper division credit completed</td>
<td></td>
</tr>
<tr>
<td>30 of the last 39 hours of course work must be completed in residency at UCF</td>
<td></td>
</tr>
<tr>
<td>A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.</td>
<td></td>
</tr>
<tr>
<td>Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)</td>
<td></td>
</tr>
</tbody>
</table>

### 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

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<th>Course</th>
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<td>ENC 1101</td>
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<tr>
<td>PSY 2012</td>
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<tr>
<td>BSC 1005L</td>
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<tr>
<td>BSC 1005</td>
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<tr>
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#### Select 1:

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<td>ARH 2051</td>
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<td>MUL 2010</td>
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<td>THE 2000</td>
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<td>REL 2300</td>
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<td>LIT 2120</td>
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#### Freshman Year - Spring

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<tr>
<td>DEP 2004C</td>
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<tr>
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<tr>
<td>POS 2041</td>
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<td>HUM 2210</td>
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<tr>
<td>AMH 2010</td>
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#### Sophomore Year - Fall

<table>
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<tr>
<td>SPA 3471</td>
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<tr>
<td>Free Elective</td>
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<tr>
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<tr>
<td>EDF 4601</td>
<td>3 hrs</td>
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<tr>
<td>EEC 4604</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3472</td>
<td>3 hrs</td>
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</table>

#### Sophomore Year - Spring

- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- SPA 3112    | Basic Phonetics | 3 hrs |
- SPA 3112L   | Basic Phonetics Lab | 1 hr |
- Foreign Language I (B.A.) or Health Sciences (B.S.) elective | 3 hrs |

#### Select 1:

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<th>Hours</th>
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<td>EDF 3303</td>
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<td>EEX 4601</td>
<td>3 hrs</td>
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<td>EEC 4604</td>
<td>3 hrs</td>
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<tr>
<td>SPA 3472</td>
<td>3 hrs</td>
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#### Sophomore Year - Summer

- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- Foreign Language II (B.A.) or Health Sciences (B.S.) elective | 3 hrs |
- Free Elective | 3 hrs |
### UCF Degree Programs

#### 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

**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: 3 hrs  
     - Suggested SPC 1603 Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication

   **B: Cultural & Historical Foundations** (9 hrs)
   - Select two courses from Historical Foundations 6 hrs  
   - Select one class from Cultural 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 CPP 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.

3. **Core Requirements: Basic Level** (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

   **A: 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: 3 hrs
     - Prefer ECO 2013 Principles of Microeconomics 3 hrs  
     - Prefer ECO 2023 Principles of Macroeconomics 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

4. **Core Requirements: Advanced Level** (54 hrs)
   - Engineering Core 6 hrs
     - EGN 3310 Engineering Analysis-Statics 3 hrs  
     - STA 3032 Probability and Statistics for Engineers GEP 3 hrs

   - Courses Required for the Major 48 hrs
     - COT 3100C Introduction to Discrete Structures 3 hrs  
     - COP 3502C Computer Science I 3 hrs  
     - COP 3503C Computer Science II 4 hrs  
     - COP 3330 Object Oriented Programming 3 hrs  
     - COP 4331C Processes for Object-Oriented Software Development 4 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

**Equipment Fees**
- Part-Time Student: $17.50 per term  
- 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.

8. Electives
- None

9. Additional Requirements
- Computer engineering students must earn at least 32 hours in residence at UCF.

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 residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

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 credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall
- 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
- GEP- Historical Foundation 3 hrs
- GEP- Science 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
- EEL 3100C Introduction to Discrete Structures 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- GEP- Historical Foundation 3 hrs

Sophomore Year - Spring
- EEL 3004 Electrical Networks 3 hrs
- EEE 3342C Digital Systems 3 hrs
- MAP 2302 Differential Equations 3 hrs
- ENC 1102 Composition II 3 hrs

Junior Year - Fall
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EEE 3307C Electronics I 4 hrs

Junior Year - Spring
- COP 3503C Computer Science II 4 hrs
- EEL 4742C Embedded Systems 4 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- GEP- Social Foundation 3 hrs

Senior Year - Fall
- COP 4600 Operating Systems 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- COP 4600 Operating Systems 3 hrs
- EEL 4915 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.oeas.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
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 at UCF.
- Students must earn at least a 2.0 in each course 2-5.

1. UCF General Education Program (GEP) (39 hrs)
A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
Select 1: 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.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (25 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
- 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.

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
- 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).

6. Capstone Requirements
- None

7. Foreign Language Requirements

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements
- Complete an exit survey
- 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
Degrees Programs

Honors In Major
- None

Related Programs
- Computer Engineering
- Information Technology

Certificates
- None

Bachelor of Science in Computer Engineering (B.S. Con.E.)

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. Oloufa, amr.oulofa@ucf.edu
407-823-2841

Bachelor of Science in Computer Science

Program Academic Learning Compacts
- 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

Undergraduate Catalog 2011-2012
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  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
- First alternative: Select both of the following:
  CHM 2040 Chemistry Fundamentals IA and  3 hrs
  CHM 2041 Chemistry Fundamentals IB  3 hrs
- Second alternative
  CHM 2045C Chemistry Fundamentals I  4 hrs

3. Core Requirements: Basic Level  (2 hrs)
   EGN 1006C Introduction to the Engineering Profession  1 hr
   EGN 1007C Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level  (60 hrs)
   1 EGN 3310 Engineering Analysis-Statics  3 hrs
   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 CEE 4613 Mechanical and Electrical Systems for Buildings  4 hrs
   CCE 4402 Construction Equipment and Productivity  3 hrs
   CCE 4404 Construction Methods  3 hrs
   CGN 3501C Civil Engineering Materials  3 hrs
   CGN 3700C Civil Engineering Measurements  4 hrs
   CWR 4632C Water Resources Engineering I  4 hrs
   AGR 2071 Principles of Managerial Accounting  3 hrs
   1 CEE 4100C Structural Analysis I and Lab  4 hrs

5. Restricted Electives  (3 hrs)
   Technical electives are available in the BSCEnE program to address specific student interests in a variety of technical areas. Students should consult the CEE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements  (6 hrs)
   Required Senior Design Courses
   1 CEE 4810C Construction Design Project  3 hrs
   CGN 4808C CECE Capstone Design  3 hrs
   1 A "C" (2.0) or better is required in this course.

7. Foreign Language Requirements
   - 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
   - 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.
   - 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 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
   - 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

Freshman Year - Spring  15 hrs
ENC 1102  Composition II  3 hrs
GEP 3 hrs
MAC 2312  Calculus with Analytic Geometry II  4 hrs
PHY 2048C  Physics for Engineers & Scientists I  4 hrs
EGN 1007C  Engineering Concepts and Methods  1 hr

Sophomore Year - Fall  16 hrs
MAC 2313  Calculus with Analytic Geometry III  4 hrs
CHS 1440  Fundamentals of Chemistry for Engineers  4 hrs
EGN 3310  Engineering Analysis-Statics  3 hrs
EGN 3613  Engineering Economic Analysis  2 hrs
GEP 3 hrs

Sophomore Year - Spring  16 hrs
MAP 2302  Differential Equations  3 hrs
EGN 3331  Mechanics of Materials  3 hrs
PHY 2049C  Physics for Engineers and Scientists II  4 hrs
ENV 3001  Introduction to Environmental Engineering  3 hrs
GEP 3 hrs

Sophomore Year - Summer  9 hrs
CCE 4003  Introduction to the Construction Industry  3 hrs
CWR 3201  Engineering Fluid Mechanics  3 hrs
EGN 3321  Engineering Analysis-Dynamics  3 hrs

Junior Year - Fall  17 hrs
CES 4100C  Structural Analysis I and Lab  4 hrs
GEP 3 hrs
CCE 4034  Construction Estimating and Scheduling  3 hrs
CCE 4813  Mechanical and Electrical Systems for Buildings  4 hrs
STA 3032  Probability and Statistics for Engineers  3 hrs

Junior Year - Spring  16 hrs
CCE 4004  Construction Methods  3 hrs
CCE 4402  Construction Equipment and Productivity  3 hrs
CGN 3501C  Civil Engineering Materials  3 hrs
CGN 3700C  Civil Engineering Measurements  4 hrs

Concrete or Steel  3 hrs
CCE 4605  Steel Structures or
CSE 4702  Reinforced Concrete Structures  3 hrs

Senior Year - Fall  13 hrs
CCE 4810C  Construction Design Project  3 hrs
CWR 4632C  Water Resources Engineering I  4 hrs
Approved Technical Elective  3 hrs

Select 1:  3 hrs
CEG 4011C  Geotechnical Engineering I or
TTE 3810  Highway Engineering  4 hrs

Senior Year - Spring  12 hrs
CGN 4800C  CECE Capstone Design  3 hrs
ACG 2071  Principles of Managerial Accounting  3 hrs
GEP 3 hrs

Select 1:  3 hrs
Take subsequent course to one selected in Fourth Year Fall.
CEG 4012  Geotechnical Engineering II or
TTE 4274  Transportation Engineering Systems  3 hrs

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

Equipment Fees
Part-Time Student: $45 per term
Full-Time Student: $90 per term

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 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 Computer Science or
Suggested STA 1060C  Basic Statistics Using Microsoft Excel or
Suggested STA 2014C  Principles of Statistics  3 hrs

Select 1:  3 hrs
Suggested MGF 1106  Finite Mathematics or
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
CIL 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
Freshman Year - Fall 15 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 2000 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 3 hrs

Select 1: 3 hrs
EUH 2001 Western Civilization II or
HUM 2230 Humanistic Tradition II or
AMH 2020 U.S. History: 1877-Present 3 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 3 hrs

Select 1: 3 hrs
POS 2041 American National Government or
ECO 2013 Principles of Macroeconomics 3 hrs

Sophomore Year - Spring 15 hrs

CCJ 3024 Criminal Justice System 3 hrs
CCJ 3014 Crime in America 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs

Junior Year - Fall 15 hrs

CJL 3510 Prosecution and Adjudication 3 hrs
CJC 3010 Corrections and Penology 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
CJ Elective 3 hrs

Junior Year - Spring 15 hrs

CJE 4014 Police and Society 3 hrs
CCJ 4701 Research Methods in Criminal Justice 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs

Senior Year - Fall 15 hrs

Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs

Senior Year - Spring 12 hrs

1 Free Elective 3 hrs
1 Free Elective 3 hrs
Supporting Elective 3 hrs
Restricted Elective or CCJ Internship 3 hrs

1 If necessary

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.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) (37 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 9 hrs

Required
ARH 2050 History of Western Art I and
ARH 2051 History of Western Art II and
Select one additional course from approved list 3 hrs

C: Mathematical Foundations (7 hrs)

Required
COP 2500C Concepts in Computer Science 4 hrs
1 Required
MAC 1105C College Algebra 3 hrs

(D) Social Foundations (6 hrs)

(E) Science Foundations (6 hrs)

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

ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals—Two Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
COP 2500C Concepts in Computer Science GEP
MAC 1105C College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)

Admission to all courses after DIG 2000 is dependent on the student’s achievement at least a “B” (3.0) in DIG 2000.

Digital Media Core: Basic
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

Digital Media Core: Advanced
DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3480C Computer as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs

Game Design (42 hrs)

Admission to all courses after DIG 4713 is dependent on the student’s achievement at least a “B” (3.0) in DIG 4713.

Game Design: Basic Concentration (24 hrs)

COP 3223 Introduction to Programming with C and 3 hrs
COP 3330 Object Oriented Programming and 3 hrs
DIG 4630C Media Business Practices and 3 hrs
DIG 4713 Game Design and 3 hrs
DIG 4715C Game Production and 3 hrs
DIG 4720C Game Programming and 3 hrs
FIL 3720C Introduction to Animation and 3 hrs
GRA 2151C Illustration 3 hrs

5. Restricted Electives 18 hrs

Complete 18 hours of credits from the following areas:

Note: DIG 4725C must be taken at least two times. It is repeatable for credit.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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
Related Minors
- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

Advising Notes
None

Transfer Notes
- Grades less than ‘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.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Early Childhood Development and Education
Track 1: Education: Pre-Kindergarten - Primary
(PK-3) (B.S.)

College of Education
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 Early Childhood Development and Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in the Education: Pre-Kindergarten-Primary (Pre-K-3rd) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL Endorsement and Reading Endorsement. Students in this track take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida 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 and CLAS requirement (no alternatives or waivers are accepted).
- 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. (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.flote.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)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- General Education Program elective from section B2: 3 hrs
- Prefer REL 2300 World Religions 3 hrs
- Prefer PHI 2010 Introduction to Philosophy or 
  Prefer LIT 2110 World Literature I or 
  Prefer LIT 2120 World Literature II 3 hrs
- General Education Program elective from section B1 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel or 
  - Prefer STA 2014C Principles of Statistics 3 hrs
- Select 1: 3 hrs
  - Suggested MGF 1106 Finite Mathematics or 
  - Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
- General Education Program elective from section B1 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1 3 hrs

E: Science Foundations (6 hrs)
- General Education Program elective from section B1 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1 3 hrs

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
- 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 (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

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Select 1: 3 hrs
MAC 1105C College Algebra or
MAE 2801 Elementary School Mathematics 4 hrs

Select 1: 3 hrs
ARE 2000 Early Childhood Art and Creativity or
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.

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
- 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
- PHI 2010 Introduction to Philosophy or
- LIT 2110 World Literature I or
- LIT 2120 World Literature II

Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs

Select 1: 3 hrs
- ARE 2000 Early Childhood Art and Creativity or
- MUE 2211 Early Childhood Music and Movement 3 hrs
Sophomore Year - Fall 15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
Select 1: 3 hrs
BSC 1005 Biological Principles or 3 hrs
ANT 2511 The Human Species 3 hrs
Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
GEP B1 Elective ( Prefer AMH 2010) 3 hrs

Sophomore Year - Spring 12 hrs
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs
GEP B3 Elective ( Prefer AMH 2020) 3 hrs

1 Courses taken at community colleges may substitute for select courses with the permission of the department.

Sophomore Year - Summer
1 Satisfaction of the CLASP requirement and/or GKT is required for admission to the program and thus must be completed prior to the Junior Year. Refer to http://www.fldoe.org for test dates and sites.

Junior Year - Fall 15 hrs
Highly recommend to take and pass PED Test and PK-3 subject area exam of the FTCE - Refer to http://www.fldoe.org for test dates and sites.
EEC 3700 Social and Emotional Development of Young Children 3 hrs
EEC 4661 Early Childhood Education Theory and Practice 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs
EEX 4751 Parent Involvement in Education 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Spring 15 hrs
EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
EEC 4207 Assessment and Evaluation of Young Children 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
EEC 4268 Curriculum Activities in Early Childhood 3 hrs
EEX 3450 Young Children With Special Needs 3 hrs

Junior Year - Summer 6 hrs
Please note: It is strongly recommended to take the Professional Education Test (PED) 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 12 hrs
MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
SCE 4304 Teaching Science and Technology to Young Children 3 hrs
RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs

Senior Year - Spring 12 hrs
EEC 4943 Student Teaching 12 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.o eas.ucf.edu/aic/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/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, 122L, jlevin@mail.ucf.edu
407-823-4615

EARLY CHILDHOOD DEVELOPMENT TRACK Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida 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 ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
General Education Program elective from section B2: 3 hrs
Prefer REL 2300 World Religions or 3 hrs
Prefer PHI 2010 Introduction to Philosophy or 3 hrs
Prefer LIT 2110 World Literature I or 3 hrs
Prefer LIT 2120 World Literature II or 3 hrs
General Education Program elective from section B1 to meet Gordon Rule Requirement.
General Education Program elective: Prefer a second course from 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 3 hrs
Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
Prefer PSC 1121 Physical Science 3 hrs
### UCF Degree Programs

#### Prefer
- AN 2511 The Human Species or
- BSC 1005 Biological Principles

#### 2. Common Program Prerequisites (CPP) (6 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

#### 3. Core Requirements: Basic Level (18 hrs)
- MUE 2211 Early Childhood Music and Movement 3 hrs
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- SYG 2010 Social Problems 3 hrs

#### Select 1:
- EDF 2130 Child and Adolescent Development for Educators or
- SW 3010 Assessing I: Human Development 3 hrs

- Select two electives. Meet with advisor for guidance in selecting electives 6 hrs

#### 4. Core Requirements: Advanced Level (60 hrs)
- MUE 2211 Early Childhood Music and Movement 3 hrs
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- SYG 2010 Social Problems 3 hrs

#### Semester I
- 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

#### Semester II
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- LAE 3414 Literature for Children 3 hrs
- EEX 3450 Young Children with Special Needs 3 hrs

#### Summer
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs

#### Semester III
- 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 one Early Childhood Development Track Elective 3 hrs

- Note: Students must consult with their advisor regarding approval for other elective options.
- EEC 4288 Curriculum Activities in Early Childhood or
- EEC 4524 Organization and Management in Early Childhood or
- EXP 3604C Cognitive Psychology or
- PEO 3041 Games Analysis or
- PET 3820 Teaching Sports Skills I or
- PET 4640 Adapted Physical Education or
- PET 4710 Methods for Physical Activity for Children and Adolescents or
- TSL 4080 Theory and Practice of TeachingESOL Students in Schools or
- SOW 4650 Child Abuse: Treatment and Prevention or
- SOW 4654 Children’s Services 3 hrs

#### Semester IV
- EEC 4940 Practicum: Early Childhood Development 12 hrs

#### 5. Restricted Electives
- None

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

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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

Electives
- None

Required Minors
- None

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.

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.

Certificate
- None

Related Programs
- None

Honors in Major
- 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** 12 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- Select Elective if needed 3 hrs

**Freshman Year - Spring** 15 hrs
- ENC 1102 Composition II 3 hrs
- SYG 2010 Social Problems 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs

**Select 1:** 3 hrs
- REL 2300 World Religions or
- PHI 2010 Introduction to Philosophy or
- LIT 2110 World Literature I or
- LIT 2120 World Literature II or

**Freshman Year - Summer** 6 hrs
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs
Sophomore Year - Fall  
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  3 hrs

Select 1:  
3 hrs
- STA 2044C  Principles of Statistics or  3 hrs
- STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs
- GEP B1 elective (Prefer AMH 2010)  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  Infants/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.oelas.ucf.edu/alc/academic_learning_compacts.htm

Economics (B.A.)  
College of Business Administration  
Department of Economics, Business Administration II, Room: 305  
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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  
(9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations  
(9 hrs)

C: Mathematical Foundations  
(6 hrs)
- Required STA 2023 Statistical Methods I  3 hrs
- 1 Required STA 2023 Pre-Calculus Algebra  3 hrs

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

2. Common Program Prerequisites (CPP)  
(3 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level  
- None

4. Core Requirements: Advanced Level  
(16 hrs)
- ECO 3101 Intermediate Microeconomics  3 hrs
- ECO 3203 Intermediate Macroeconomics  3 hrs
- ECO 4451 Research Methods in Economics  3 hrs

Select one of the following sequences of courses:

- ECO 3401 Quantitative Business Tools I  3 hrs
- MAC 2233 Concepts of Calculus and
- STA 2023 Statistical Methods I  3 hrs
- Students must receive a "C" (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401

Select one of the following sequences of courses:

- ECO 3411 Quantitative Business Tools II  4 hrs
- STA 4163 Statistical Methods II  3 hrs
- STA 4321 Statistical Theory I  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
ECONOMIC DEGREE PROGRAMS

ECO 3070 International Microeconomics 3 hrs
ECO 3071 Global Economic Policy 3 hrs
ECO 4030 History of Economic Thought 3 hrs
ECO 4042 Econometrics 3 hrs
ECO 4054 Public Economics 3 hrs
ECO 4073 International Macroeconomics 3 hrs
ECO 4074 Law and Economics 3 hrs
ECO 3203 Labor Economics 3 hrs
ECO 4030 Environmental and Natural Resource Economics 3 hrs
ECO 4403 Industrial Organization and Game Theory 3 hrs
ECS 4013 Development Economics 3 hrs

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

ECO 3410 Mathematical Economics 3 hrs
ECO 3703 International Microeconomics 3 hrs
ECO 4412 Econometrics 3 hrs
ECO 4054 Public Economics 3 hrs
ECO 4403 Industrial Organization and Game Theory 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
   - 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
    - Students may select a minor from any of the authorized minors listed in the UCF Undergraduate Catalog. Students are strongly encouraged to consult with an advisor about the choice of a minor that is compatible with their career interests.

11. Departmental Exit Requirements
    - Students majoring in Economics must earn a grade of "C" (2.0) or better in every course applied towards the major as well as a 2.0 overall average in the major.
    - Computer Competency met by Research Methods 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 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

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
- ECO 1013 Principles of Macroeconomics 3 hrs
- ECO 1023 Principles of Microeconomics 3 hrs
- MAC 1140 Pre-Calculus Algebra 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- (or Calculus)

Freshman Year - Spring
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Foreign Language 3 hrs
- (or prior Calculus)

Sophomore Year - Fall
- ECO 3411 Quantitative Business Tools II 4 hrs

Sophomore Year - Spring
- Foreign Language 3 hrs
- Free Elective
- Free Elective
- ECO 3013 Intermediate Microeconomics 3 hrs

Junior Year - Fall
- ECO Elective
- 1 Elective / Minor 3 hrs
- Free Elective
- ECO Elective
- ECO 3013 Intermediate Microeconomics 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs

Junior Year - Spring
- ECO Elective
- ECO Elective
- 1 Elective / Minor 3 hrs
- ECO Elective
- 1 Elective / Minor 3 hrs
- ECO Elective
- 1 Elective / Minor 3 hrs

Graduation
- A 2.0 UCF GPA
- Computer Competency met by Research Methods course.

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

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

UNIVERSITY OF CENTRAL FLORIDA
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 1508 Fundamentals of Oral Communication
   - 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required CGS 2100C Computer Fundamentals for Business
   - 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Required MAC 1140 Pre-Calculus Algebra
   - 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 ANT 2000 General Anthropology or
   - General Psychology or
   - Introduction to Sociology
   - 3 hrs

   E: Science Foundations (6 hrs)
   - Suggested ECO 2013 Principles of Macroeconomics
   - 3 hrs

   Select one of the following sequences of courses:
   - Students must receive a “C” (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401.

   ECO 3401 Quantitative Business Tools I
   - 3 hrs

   or
   - MAC 2233 Concepts of Calculus and
   - STA 2023 Statistical Methods I
   - 3 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
   - Must be completed with a “C” (2.0) or better.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   ACG 2021 Principles of Financial Accounting
   - 3 hrs

   ACG 2071 Principles of Managerial Accounting
   - 3 hrs

   CGS 2100C Computer Fundamentals for Business
   - 3 hrs

   ECO 2013 Principles of Macroeconomics
   - 3 hrs

   ECO 2023 Principles of Microeconomics
   - 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (32 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
   - 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

   1. Must be taken in 1st or 2nd semester.

Required Major Courses (9 hrs)
   - ECO 3101 Intermediate Microeconomics
   - 3 hrs
   - ECO 3203 Intermediate Macroeconomics
   - 3 hrs
   - ECO 4451 Research Methods in Economics
   - 3 hrs

5. Restricted Electives (15 hrs)

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
   - ECO 3410 Mathematical Economics
   - 3 hrs
   - ECO 3703 International Microeconomics
   - 3 hrs
   - ECO 4412 Econometrics
   - 3 hrs
   - ECO 4504 Public Economics
   - 3 hrs
   - ECO 4713 International Macroeconomics
   - 3 hrs
   - ECO 4751 Law and Economics
   - 3 hrs
   - ECP 3203 Labor Economics
   - 3 hrs
   - ECP 4303 Environmental and Natural Resource Economics
   - 3 hrs
   - ECP 4403 Industrial Organization and Game Theory
   - 3 hrs
   - ECS 4013 Development Economics
   - 3 hrs

6. Capstone Requirements (4 hrs)
   - MAN 4720 Strategic Management
   - 4 hrs

   This course is taken in the graduating term and requires the following prerequisites:
   - FIN 3403C Business Finance
   - 4 hrs
   - GEB 3031 Cornerstone: Professional Skills for Business
   - 3 hrs
   - GEB 3031L Cornerstone Lab: Professional Skills for Business
   - 1 hr
   - MAN 3025 Management of Organizations
   - 4 hrs
   - MAR 3023 Marketing
   - 4 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- Special College and/or Departmental Requirements
- Must complete all Gordon Rule 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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
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<tr>
<td>Freshman Year - Fall</td>
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<tr>
<td>Sophomore Year - Fall</td>
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<tr>
<td>Junior Year - Fall</td>
<td>15</td>
</tr>
<tr>
<td>Senior Year - Spring</td>
<td>14</td>
</tr>
</tbody>
</table>

## 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, 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.

## 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
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<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140 Pre-Calculus Algebra</td>
<td>3</td>
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</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3401 Quantitative Business Tools I</td>
<td>3</td>
</tr>
</tbody>
</table>

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3023 Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3411 Quantitative Business Tools II</td>
<td>4</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>4</td>
</tr>
<tr>
<td>GEB 3031 Cornerstone: Professional Skills for Business</td>
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</tr>
</tbody>
</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 4451 Research Methods in Economics</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4720 Strategic Management</td>
<td>4</td>
</tr>
<tr>
<td>BUS 3130 Legal and Ethical Environment of Business</td>
<td>4</td>
</tr>
</tbody>
</table>

## Program Academic Learning Compacts

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3</td>
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</tbody>
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**UNIVERSITY OF CENTRAL FLORIDA**

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3552C</td>
<td>Analog and Digital Communication</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 3470</td>
<td>Electromagnetic Fields</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3552C</td>
<td>Analog and Digital Communication</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3307C</td>
<td>Electronics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3350</td>
<td>Semiconductor Devices I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGG 3322</td>
<td>Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGG 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGG 3326</td>
<td>Chemical Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGG 3324</td>
<td>Digital Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGG 3323</td>
<td>Networks and Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EGG 3320</td>
<td>Engineering Analysis</td>
<td>3 hrs</td>
</tr>
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<td>EGG 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGG 3302</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGG 3301</td>
<td>Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
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<td>EGG 3300</td>
<td>Electrical Networks</td>
<td>3 hrs</td>
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<tr>
<td>EGG 3307</td>
<td>Linear Control Systems</td>
<td>3 hrs</td>
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<td>EGG 3306</td>
<td>Computer Organization</td>
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<tr>
<td>EGG 3305</td>
<td>Electronics II</td>
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<tr>
<td>EGG 3304</td>
<td>Electrical Networks</td>
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<tr>
<td>EGG 3302</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGG 3301</td>
<td>Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (10 hrs)
- Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communication, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives (10 hrs)
- Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements (6 hrs)
- EEL 4914 and EEL 4915L

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Electrical engineering students must earn at least 32 hours in residence at UCF.

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 Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Students are assumed knowledge of a higher level programming language (C preferred).

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
UCF Degree Programs

- Courses transferred must be formally evaluated for equivalency.
- EGN 100C and EGN 100T are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 14 hrs
- EGN 100C Introduction to the Engineering Profession 1 hr
- 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 15 hrs
- EGN 100C 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 17 hrs
- ENC 1102 Composition II 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring 15 hrs
- 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 10 hrs
- EEE 3342C Digital Systems 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- GEP- Social Foundation 3 hrs

Junior Year - Fall 14 hrs
- EEE 3500 Semiconductor Devices I 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EEL 3552C Analog and Digital Communication 4 hrs

Select 1: 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Spring 17 hrs
- 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 16 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Approved Technical Elective 4 hrs
- GEP-Historical Foundation 3 hrs

Senior Year - Spring 13 hrs
- EEL 4915L Senior Design II 3 hrs
- EEE 4309C Electronics II 4 hrs
- Approved Technical Elective 3 hrs
- Approved Technical Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Elementary Education (B.S.)

College of Education
School of Teaching, Learning, and Leadership, ED, Room: 209
http://education.ucf.edu/elemed/

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.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1: 3 hrs
- Prefer ARH 2050 History of Western Art I or 3 hrs
- Prefer ARH 2051 History of Western Art II or 3 hrs
- Prefer MUL 2010 Enjoyment of Music 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
- Suggested MAC 1105C College Algebra or 3 hrs
- Suggested MGF 1108 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

Select 1: 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 1064C Principles of Statistics 3 hrs

D: Social Foundations
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2042 General Psychology 3 hrs

E: Science Foundations
- Prefer PSC 1121 Physical Science 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 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.
Semester I 15 hrs

Other Program Requirements
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
2 MAE 2801 Elementary School Mathematics 4 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.
2 MAC 1105 or MGF 1106 is a prerequisite for MAE 2801.

Lower Division Electives 7 hrs

Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination: * MAC 1105 or MGF 1106 (if not taken for the General Education Program) * One associated science lab (BSC 1005L or PSC 1121L)* A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

4. Core Requirements: Advanced Level (60 hrs)

The following recommended sequence of required upper division courses may vary at regional campus locations.

Semester I 15 hrs
1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
LA 3414 Literature for Children 3 hrs
1 RED 3012 Basic Foundations of Reading 3 hrs
1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

1 Required prior to Internship I

Semester II 15 hrs
SCE 3310 Teaching Science in Elementary School 3 hrs
SSE 3312 Teaching Social Science in the Elementary School 3 hrs
LA 4314 Language Arts in the Elementary School 3 hrs
1 RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
EEX 4070 Teaching Exceptional Students 3 hrs

1 Required prior to Internship I

Summer 6 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs

Semester III (Internship I Block) 12 hrs

Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of "C" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp.

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 12 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- MAC 1105C College Algebra 3 hrs

Freshman Year - Spring 13 hrs
- 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

- Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Freshman Year - Summer 6 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Fall 15 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs

Sophomore Year - Spring 14 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- MAE 2081 Elementary School Mathematics 4 hrs
- STA 2014C Principles of Statistics 3 hrs
- EDF 2085 Introduction to Diversify for Educators 3 hrs
- 1 PET 2081 Wellness, Children and Schools 1 hr

- Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Fall 15 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- LAE 3414 Literature for Children 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory and Practice of Teaching ESL 3 hrs

Junior Year - Spring 15 hrs
- RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
- SCE 3310 Teaching Science in Elementary School 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs

Junior Year - Summer 6 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Senior Year - Fall 12 hrs
- MAE 4326 How Children Learn Mathematics 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading Internship I 3 hrs
- EDE 3942 Integrated Arts and Movement in the Elementary School 3 hrs

Senior Year - Spring 12 hrs
- EDE 4943 Internship II (Elementary) 12 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oears.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
- Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations
- Preferred LIT 2110 World Literature I 3 hrs
- Preferred LIT 2120 World Literature II 3 hrs
- Select one class from 1.B.1 list 3 hrs

C: Mathematical Foundations
- Preferred STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- 1 MGF 1106 Finite Mathematics Using Microsoft Excel 3 hrs

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (6 hrs)
- 1 ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

- 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 3 hrs
- 1 ENG 3014 Theory of Literature 3 hrs
- CRW 3053 Theory 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 satisfying 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
5. Restricted Electives (15 hrs)
   ■ Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.

   a. Choose two of the following: 6 hrs
   Select 1: 3 hrs
      CRW 3120 Fiction Writing Workshop or 3 hrs
      CRW 3211 Creative Nonfiction Writing or 3 hrs
      CRW 3310 Poetry Writing Workshop or 3 hrs
      CRW 3610 Writing Scripts 3 hrs

   b. Choose two of the following: 6 hrs
   Select 2: 6 hrs
      CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
      CRW 4224 Advanced Nonfiction Workshop or 3 hrs
      CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
      CRW 4616 Advanced Scriptwriting Workshop 3 hrs

5. May take ENC 4360 Nature Writing instead of CRW 4224 but not both.

   c. Choose one of the following: 3 hrs
   Select 1: 3 hrs
      CRW 3311 Structure of Verse or 3 hrs
      CRW 3540 Literary Magazines or 3 hrs
      CRW 4114 History of Prose Style or 3 hrs
      CRW 3950 Cypress Dome Editorship or 3 hrs
      CRW 4724 The Florida Review or 3 hrs
      CRW 4014 The Writing Life or 3 hrs
      CRW 4722 Editing for Creative Writers or 3 hrs
      any other CRW elective or Special Topics course 3 hrs

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements

Admissions
   ■ Met by graduation requirement

Graduation
   ■ Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
   ■ Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements
   ■ None

10. Required Minors
   ■ Journalism Studies

11. Departmental Exit Requirements
   ■ Maintain a minimum GPA of 2.0 in upper division required courses
   ■ Complete a 30 hour Honors thesis under supervision of a major professor and a committee of departmental faculty
   ■ 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
   ■ Successful completion and oral defense of Honors thesis

Related Programs
   ■ English - Technical Communication
   ■ English - Literature

Certificates
   ■ None

Related Minors
   ■ Linguistics
   ■ English - Technical Communication
   ■ Writing and Rhetoric

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
   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

Sophomore Year - Fall
   LIT 2120 World Literature II 3 hrs
   PSY 2012 General Psychology 3 hrs
   SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
   BSC 1005 Biological Principles 3 hrs

1 Restricted Elective
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 Study 3 hrs
AML 3041 American Literature II 3 hrs
CRW 3211 Creative Nonfiction Writing 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring
15 hrs
ENL 2022 English Literature II 3 hrs
CRW 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 4122 Advanced Fiction Writing Workshop 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring
12 hrs
CRW 3610 Writing Scripts 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oecs.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)
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP
- See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)
- ENC 3014 Theories and Techniques of Literature Study 3 hrs

Choose one gateway course
- CRW 3013 Creative Writing for English Majors or
- ENC 3241 Writing for the Technical Professional or
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
- Literary History Requirement
- Choose five courses from the two groupings

Select at least two pre-1865 literature courses 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs
- AML 3031 American Literature I or
- 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 3840 Native American Literature or
- ENL 3296 Gothic Literature 3 hrs

Select at least two post-1865 literature courses 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs
- AML 3041 American Literature II or
- AML 3283 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 4011 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 3 hrs

5. Restricted Electives (15 hrs)
- Upper Division Requirements

Choose one single author or major author course: 3 hrs
Select 1: 3 hrs
- AML 4300 Major American Authors or
- ENL 3311 Chaucer or
- ENL 4341 Milton and His Age or
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 lan-
guages may be used to meet the requirement. With departmental approv-
al, a cultural/multicultural or related course offered by the Department of
English may be used to satisfy one semester of the Graduation require-
ment.

8. Electives
Selected primarily from upper level courses, with departmental advi-
sor’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 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  (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
  4 hrs
  1 Any language course at this level is acceptable.

Sophomore Year - Fall
BSC 1005  Biological Principles  3 hrs
LIT 3383  Women in Literature  3 hrs
ENL 2012  English Literature I  3 hrs
AML 4261  Literature of the South  3 hrs

Sophomore Year - Spring
1 SPN 1120C  Elementary Spanish Language and
  Civilization I  3 hrs

1 Any language course at this level is acceptable.

Junior Year - Fall
CRW 3013  Creative Writing for English Majors  3 hrs
ENL 2022  English Literature II  3 hrs
LIN 4105  History of the English Language  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Junior Year - Spring
ENL 4253  The Victorian Age: Poetry  3 hrs
AML 3031  American Literature I  3 hrs
AML 3041  American Literature II  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.

Senior Year - Fall
AM 1101  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)

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<tr>
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<th>Course Name</th>
<th>Hours</th>
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<td>ENGL 1101</td>
<td>Composition I</td>
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</tr>
<tr>
<td>ENGL 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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#### 2. Core Requirements: Basic Level (6 hrs)

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<th>Hours</th>
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<td>ENGL 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENGL 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
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#### 3. Core Requirements: Advanced Level (15 hrs)

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<th>Hours</th>
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<tbody>
<tr>
<td>ENGL 4293</td>
<td>Technical Writing Style</td>
<td>3 hrs</td>
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<tr>
<td>ENGL 4294</td>
<td>Documentation and Client-Based Collaboration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4433</td>
<td>Literature of Science and Technology</td>
<td>3 hrs</td>
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#### 4. Core Requirements: Advanced Level (15 hrs)

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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
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<td>Technical Writing Style</td>
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<tr>
<td>ENGL 4294</td>
<td>Documentation and Collaborative Process</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4433</td>
<td>Literature of Science and Technology</td>
<td>3 hrs</td>
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#### 5. Restricted Electives (3 hrs)

<table>
<thead>
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<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 4941</td>
<td>Internship</td>
<td>1 hr</td>
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</table>

#### 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:
    - ENGL 4923 Documentation and the Collaborative Process
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 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

English Language Arts Education (B.S.)

College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209

E-mail: jkaplan@mail.ucf.edu

Dr. Jeff Kaplan, ED 122B
407-823-2041

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) (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)

- Preferred AMH 2110 U.S. History: 1492-1877 3 hrs
- Preferred LIT 2110 World Literature I 3 hrs
- Preferred AMH 2120 U.S. History: 1877-Present 3 hrs

C: Mathematical Foundations (6 hrs)

- Preferred MGF 1106 Finite Mathematics 3 hrs

Select 1: (3 hrs)

- Preference STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

- Preferred EDF 2250 Social Studies: 1877-Present 3 hrs
- Preferred PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)

- Preferred PSC 1121 Physical Science 3 hrs

Select 2: (3 hrs)

- Preference ANT 2511 The Human Species or 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

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

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 (63 hrs)

Education Core Requirements 21 hrs

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4667 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 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.
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 2014C 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 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
LAE 4464 Introduction to Adolescent Literature 3 hrs
LAE 4941 Internship 12 hrs

Enrollment Information

Graduation
None

Restrictions
None

Advising Notes
Consult with your Education advisor and review your degree audit for more recent information.

Transfer Notes
None

Acceptable Substitutes for Transfer Courses
None

Plan of Study

Freshman Year - Fall 12 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1102 Composition II 3 hrs
POS 2041 American National Government 3 hrs
PSC 1121 Physical Science 3 hrs

Freshman Year - Summer 6 hrs
LIT 2110 World Literature I 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs

Sophomore Year - Fall 15 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
LIT 2120 World Literature II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 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 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
LAE 4464 Introduction to Adolescent Literature 3 hrs
LAE 4941 Internship 12 hrs

Enrollment Information

Graduation
None

Restrictions
None

Advising Notes
Consult with your Education advisor and review your degree audit for more recent information.

Transfer Notes
None

Acceptable Substitutes for Transfer Courses
None

Plan of Study

Freshman Year - Fall 12 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1102 Composition II 3 hrs
POS 2041 American National Government 3 hrs
PSC 1121 Physical Science 3 hrs

Freshman Year - Summer 6 hrs
LIT 2110 World Literature I 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs

Sophomore Year - Fall 15 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
LIT 2120 World Literature II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 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 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
LAE 4464 Introduction to Adolescent Literature 3 hrs
LAE 4941 Internship 12 hrs

Enrollment Information

Graduation
None

Restrictions
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
Junior Year - Fall
- CRW 3013 Creative Writing for English Majors 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- EDF 4407 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs

Junior Year - Spring
- AML 3041 American Literature II 3 hrs
- LAE 4361 Literacy Strategies for Middle and High School 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Select 1:
- ENC 3311 Advanced Expository Writing or 3 hrs
- LIN 4105 History of the English Language 3 hrs
- Upper Division Elective w/ RED, LAE, EDG, or EDF prefix 3 hrs

Junior Year - Summer
- ENG 3014 Theories and Techniques of Literature Study 3 hrs

Senior Year - Fall
- LAE 4360 English Instructional Analysis 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- LAE 3940 Internship 3 hrs

Senior Year - Spring
- LAE 4941 Internship 12 hrs

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

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)
- 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 Foundations Group 1 3 hrs
- Select one course from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

- Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.

1. MAC 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
  - CHM 2045C Chemistry Fundamentals I 4 hrs
- or
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs

1 also satisfy UCF GEP sub-requirements

3. Core Requirements: Basic Level (9 hrs)
- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
- EGN 1005C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

1 CHM 2045C Chemistry Fundamentals I CPP
1 CHM 2046 Chemistry Fundamentals II 3 hrs
1 CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Earth Science: Biological Science 3 hrs

1 A “C” (2.0) or better is required in this course.

4. Core Requirements: Advanced Level (53 hrs)
1 EGN 3310 Engineering Analysis-Statics 3 hrs
1 EGN 3321 Engineering Analysis-Dynamics 3 hrs
1 EGN 3331 Mechanics of Materials 3 hrs
1 EGN 3343 Thermodynamics 3 hrs
1 EGN 3613 Engineering Economic Analysis 2 hrs
1 ENV 3001 Introduction to Environmental Engineering 3 hrs
1 CCE 4003 Introduction to the Construction Industry 3 hrs
1 STA 3032 Probability and Statistics for Engineers 3 hrs

1 CWR 3201 Engineering Fluid Mechanics 3 hrs
1 CEG 4011C Geotechnical Engineering I 4 hrs
1 EES 4111C Biological Process Control 3 hrs
1 EES 4202C Chemical Process Control 4 hrs
1 ENV 4531 Environmental Engineering Operations & Processes I 3 hrs

1 CWR 4632C Water Resources Engineering I 4 hrs
1 CWR 4633C Water Resources Engineering II 3 hrs
1 ENV 4120 Air Pollution Control 3 hrs
1 ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
1 ENV 4341 Solid & Hazardous Waste Management 3 hrs

1 A “C” (2.0) or better is required in this course.
5. Restricted Electives (3 hrs)
- Technical electives are available in the BSEnvE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Required Senior Design Courses
  - CECE Capstone Design 3 hrs

Design Specialization 3 hrs
- Must be completed before registering for CGN 4808C - Capstone Design

ENV 4433C Environmental Engineering Wastewater Design or
1 ENV 4122C Air Pollution Control Design or 3 hrs
1 ENV 4300C Solid Waste Facility Design or 3 hrs
1 ENV 4562C Environmental Engineering Water Treatment Design 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- EnVE students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- 1 BSC 1050 Biology and Environment 3 hrs
- GEP 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C Physics for Engineers & Scientists I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- 1 GEO 1200 Physical Geography 3 hrs

Sophomore Year - Fall 16 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- EGN 3310 Engineering Analysis-Statistics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- GEP 3 hrs

Sophomore Year - Spring 17 hrs
- MAP 2302 Differential Equations 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- GEP 3 hrs

Sophomore Year - Summer 9 hrs
- EGN 3343 Thermodynamics 3 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- STS 3032 Probability and Statistics for Engineers 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- ENV 4341 Solid & Hazardous Waste Management 3 hrs

Junior Year - Spring 14 hrs
- GEP 3 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
- CWR 4632C Water Resources Engineering I 4 hrs
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
E-mail: hospitality@mail.ucf.edu
Dr. Deborah Breiter, Department Chair
Dr. Abraham Pizam, Dean
407-905-8000

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 3 hrs
         Required STA 2023 Statistical Methods I 3 hrs
   D: Social Foundations (6 hrs)
      Select 1: 3 hrs
         Required ECO 2013 Principles of Macroeconomics 3 hrs
         Required ECO 2023 Principles of Microeconomics 3 hrs
      Select 1: 3 hrs
         Required PSY 2012 General Psychology 3 hrs
         Required SYG 2000 Introduction to Sociology 3 hrs
         Required ANT 2000 General Anthropology 3 hrs
   E: Science Foundations (6 hrs)
      Select 1: 3 hrs
         Required MAC 1105C College Algebra 3 hrs
   2. Common Program Prerequisites (CPP) (3 hrs)
      ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
         HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
   3. Core Requirements: Basic Level
      Select 1: 3 hrs
         STA 2023 Statistical Methods I or CGS 2100C Computer Fundamentals for Business 3 hrs
      MAC 1105C College Algebra GEP
   4. Core Requirements: Advanced Level (52 hrs)
      Hospitality Management Core 24 hrs
         HFT 2401 Hospitality Industry Financial Accounting 3 hrs
         HFT 2500 Hospitality and Tourism Marketing 3 hrs
         HFT 2220 Hospitality Human Resources Management 3 hrs
         HFT 2254 Lodging Operations 3 hrs
         HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
         HFT 3540 Guest Services Management I 3 hrs
         HFT 4286 Hospitality Communications 3 hrs
         HFT 4464 Hospitality Industry Finance 3 hrs
      Internships 3 hrs
         HFT 3940 Internship 1 hr
         HFT 4941 Internship 1 hr
         HFT 4944 Practicum 1 hr
      Event Management Core 25 hrs
         FSS 2284C Food Preparation for Catered Events 4 hrs
         HFT 2750 The Event Industry 3 hrs
         HFT 3670 Hospitality and Event Risk Management 3 hrs
         HFT 3512 Event Promotion 3 hrs
         HFT 3373 Event Design, Production & Technology 3 hrs
         HFT 3519 Event Services 3 hrs
         HFT 3523 Event Sales 3 hrs
         HFT 4757 Event Management 3 hrs
   5. Restricted Electives (18 hrs)
      Complete any six restricted Event Management Electives 18 hrs
      ■ Complete the General Education Program, the Gordon Rule, the University Minimum Exit Requirements, and the UCF Degree Programs.
      ■ Total Semester Hours Required 120
   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 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
## UCF Degree Programs

### Honors In Major
- None

### Related Programs
- None

### Certificates
- None

### Related Minors
- None

### Advising Notes
- None

### Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida 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
- **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
- **PSY 2012** General Psychology 3 hrs
- **SYG 2000** Introduction to Sociology 3 hrs
- **ANT 2000** General Anthropology 3 hrs

#### Cult/Historical Foundation Course
- **AMH 2010** U.S. History: 1492-1877 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
- **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
- **HUM 2230** Humanistic Tradition II or 3 hrs
- **AMH 2020** U.S. History: 1877-Present or 3 hrs
- **EUH 2001** Western Civilization II or 3 hrs
- **WOH 2022** World Civilization II 3 hrs

#### Sophomore Year - Fall
- **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:
- **ECO 2013** Principles of Macroeconomics or 3 hrs
- **ECO 2023** Principles of Microeconomics 3 hrs

#### Science Foundation
- **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
- **HFT 3512** Event Promotion 3 hrs
- **HFT 3519** Event Services 3 hrs
- **FSS 2284C** Food Preparation for Catered Events 4 hrs

#### Science Foundation II
- **AST 2002** Astronomy or 3 hrs
- **CHM 1020** Concepts in Chemistry or 3 hrs
- **PSC 1121** Physical Science 3 hrs

### Cultural Foundation Course
- **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
- **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
- **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
- **HFT 4286** Hospitality Communications 3 hrs
- **HFT 4046** 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.oeas.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

#### http://www.education.ucf.edu/

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).
- 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 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.
Students must earn a “C” (1.75) or better in each required Exceptional Education course.

Passing scores on ALL three applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for available test dates and test sites.

FTCE General Knowledge Test (GKT)- Passing score on the GKT is required prior for admission into the College of Education.

FTCE Professional Education Test (PEd) prior to Internship I.

FTCE Subject Area Examination for Exceptional Student Education K-12

Must take and pass one of the following content area subject area examinations: Elementary K-5, Secondary individual subject areas 6-12, or Integrated Curriculum 6-9.

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
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- AMH 2010 U.S. History: 1492-1877 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1: 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- PHI 2110 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions 3 hrs

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Select 1: 3 hrs
- MGF 1106 Finite Mathematics or 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)

- POS 2041 American National Government 3 hrs
- PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)

- PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- ANT 2511 The Human Species or 3 hrs
- 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.

1. Core Requirements: Basic Level (15 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

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: Advanced Level (60 hrs)

- Exceptional Student Education majors take a variety of courses related to children, adolescents, and adults with special needs, and their learning, development, and family environment. Students majoring in Exceptional Student Education take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Exceptional Student Education major’s program and to integrate theory and practice in actual school settings. Throughout the Exceptional Student Education program, students document and reflect upon their accomplishments in a Professional LiveText Portfolio, which is continuously reviewed by faculty.

In addition, students must complete a TESOL Notebook.

Semester I (12 hrs)

- EDR 4110 Teaching Strategies and Classroom Management 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Courses to be taken prior to Internship I

Semester II (15 hrs)

- It is strongly recommended to take the Professional Education Test (Ped) portion of the FTCE during Semester II
- EDF 4467 Learning Theory and Assessment 3 hrs
- EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- RED 4519 Diagnostic and Corrective Reading 3 hrs

Semester III (Summer) (6 hrs)

- Please note: It is required to take the Professional Education Test (Ped) prior to Semester III and the Exceptional Student Education (ESE) Subject Area Exam portion of the Florida Teacher Certification Exam (FTCE) prior to Semester IV.

- 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/clinicalexperience/.

- 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 I.

- EEX 3221 Assessment of Exceptional Students 3 hrs
- EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Semester IV (15 hrs)

- 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/clinicalexperience/.

- A passing score on all applicable sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional Education Test, and Subject Area Examination for Exceptional Student Education K-12) is strongly recommended before entry into student teaching (EEX 4941 Internship II).

- Choose one course from either the Elementary or Secondary level Methods Content Area Course sections.

- EED 4942 Internship I Exceptional Education 3 hrs
- EEX 4941 Internship II Exceptional Education 3 hrs
- EEX 4783 Technology for Classroom Teachers of Students with Special Needs 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs

Elementary Level: Methods Content Area Course I

- LAE 3414 Literature for Children or 3 hrs
- MAE 4326 How Children Learn Mathematics or 3 hrs
- SCC 3310 Teaching Science in Elementary School or 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School or 3 hrs
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

1 To enroll in this course, you must be registered for EEX 3942 Internship II.

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 registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
Choose one course from either the Elementary or Secondary level methods content area course II sections.

Elementary Level: Methods Content Area Course II
SCE 3310 Teaching Science in Elementary School 3 hrs
SSE 3312 Teaching Social Science in the Elementary School or 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
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 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 2101 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 2010 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.
EEX 3243  Techniques for Exceptional Adolescents-Adults  3 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
TSL 4240  Issues in Second Language Acquisition  3 hrs
LAE 4314  Language Arts in the Elementary School  3 hrs
RED 4519  Diagnostic and Corrective Reading Strategies  3 hrs

Junior Year - Summer  6 hrs
It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.
EEX 3221  Assessment of Exceptional Students  3 hrs
EEX 4066  Curriculum, Theory and Instructional Strategies for Students with Special Needs  3 hrs

Senior Year - Fall  15 hrs
EEX 4763  Technology for Classroom Teachers of Students with Special Needs  3 hrs
EEX 4601  Introduction to Behavior Management  3 hrs
EEX 3942  Internship I Exceptional Education  3 hrs
RED 4942  Practicum for Assessment and Instruction of Reading  3 hrs

Select Methods Content I  9 hrs
Choose one of the following. Must be different from the selected course during Senior Year Fall Term.
SCE 3310  Teaching Science in Elementary School or School or  3 hrs
SSE 3312  Teaching Social Science in the Elementary School or  3 hrs
LAE 3414  Literature for Children or  3 hrs
MAE 4326  How Children Learn Mathematics or  3 hrs
SCE 4360  Science Instructional Analysis or  4 hrs
SSE 4361  Social Science Instructional Analysis or  4 hrs
LAE 4560  English Instructional Analysis or  3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12 or  3 hrs
MAE 4360  Mathematics Instructional Analysis  4 hrs

Senior Year - Spring  12 hrs
EEX 4943  Internship  9 hrs
Select one approved Methods Course  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

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 Schlow, 407-823-2845
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.film.cah.ucf.edu.

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
Students are required to maintain an overall average grade of “B” (3.0) or better in Film major courses.
A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
Students must consult with a departmental advisor each semester.

All students are required to pay a fee for equipment insurance.
Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
2. See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs
Prefer CSH 1060C Introduction to Computer Science or STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (3 hrs)

Select 4: 12 hrs
Prefer CGS 1060C Introduction to Computer Science or STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

3. Core Requirements: Basic Level (21 hrs)

Lower level core requirements
FIL 2107  Script Analysis  3 hrs
FIL 2109  Cinematic Expression for Majors  3 hrs
FIL 2562  Editing I  3 hrs
FIL 2480  Directing for Film I  3 hrs
FIL 2461  Cinematography I  3 hrs
FIL 2481  Directing the Actor for Film I  3 hrs
DIG 2000  Introduction to Digital Media  3 hrs

4. Core Requirements: Advanced Level (36 hrs)

Upper level core requirements
FIL 3115  Short Script I  3 hrs
FIL 3132  Short Script II  3 hrs
FIL 3427C  Introduction to Film Production  3 hrs
FIL 3534  Sound Design for Film I  3 hrs
FIL 3036  Film History I  3 hrs
FIL 3037  Film History II  3 hrs
FIL 3803C  Film Theory and Criticism I  3 hrs
FIL 3922  Film Colloquium  1 hr
FIL 4486C  Directing for Film II  3 hrs
FIL 4661  The Film Producer  3 hrs
FIL 4647  Film Production Management  3 hrs

A portfolio review is required for entry into the Film BFA major.
Contact the Film Department for details, or visit the website, http://www.film.cah.ucf.edu.

Screen Writing
FIL 4103  Adaptation  3 hrs
FIL 4162C  Feature/TV Writing I  3 hrs
FIL 4163C  Feature/TV Writing II  3 hrs
FIL 4113C  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
UCF Degree Programs

Cinema Studies

FIL 3880C Images of Women in Film 3 hrs
FIL 3831 Black Cinema 3 hrs
FIL 3051 Avant-Garde Cinema 3 hrs
FIL 304C Film Theory and Criticism II 3 hrs
FIL 3841 French New Wave Cinema 3 hrs
FIL 3824 Italian Neo-Realist Cinema 3 hrs
FIL 3847 Latin American Cinema 3 hrs
FIL 3820 Italian Film 3 hrs
FIL 3822 French Film 3 hrs
FIL 3823 German Film 3 hrs
FIL 3826 American Cinema 3 hrs
FIL 3871 The American Film Artist 3 hrs
FIL 4436 Film Theory/Film Production 3 hrs

Digital Cinema

ART 2823 Art as Interface 3 hrs
ART 3618 Post-Production Design 3 hrs
COP 3920C Computer Science I 3 hrs
DIG 4895C Converging Media Capstone 3 hrs
DIG 3138C Digital Imagery 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs
ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs
DIG 3134 Media Software Design 3 hrs
MUC 3311 MIDI Sequencing I 3 hrs

6. Capstone Requirements (6 hrs)
FIL 4434C Capstone I 3 hrs
FIL 4579C Capstone II 3 hrs

7. Foreign Language Requirements
Admissions
Met by graduation requirement
Graduation
Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
Select primarily from upper level courses, with departmental advis-
or from related minors.

9. Additional Requirements
None

10. Required Minors
Jewish Studies

11. Departmental Exit Requirements
A student must maintain an overall average of a “B” (3.0) or better in major courses.
Department of Film requires an exit interview.

Computer Competency met by one of the following: 3 hrs
CGS 1060C Introduction to Computer Science 3 hrs
DIG 3134 Media Software Design 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
None

Related Programs
Film - Cinema Studies Track
English - Creative Writing
Digital Media
Music
Theatre
Radio - Television

Certificates
None

Related Minors
Art - Studio
Film - Cinema Studies
English - Creative Writing
Digital Media
Music
Theatre

Advising Notes
None

Transfer Notes
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
ENC 1101 Composition I 3 hrs
FIL 1007 Foundations of Story 3 hrs
FIL 1008 Cinematic Expression/Aesthetics 3 hrs
FIL 1009 Cinematic Expression for Majors 3 hrs
FIL 3922 Film Colloquium 1 hr
GEP 3 hrs
Foreign Language 4 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
FIL 2030 History of Motion Pictures 3 hrs
FIL 2107 Script Analysis 3 hrs
FIL 3922 Film Colloquium 1 hr
GEP 3 hrs
Foreign Language 4 hrs

Freshman Year - Summer
GEP 3 hrs

Sophomore Year - Fall
FIL 3115 Short Script I 3 hrs
FIL 3427C Introduction to Film Production 3 hrs
FIL 3803C Film Theory and Criticism I 3 hrs
FIL 3922 Film Colloquium 1 hr
GEP 3 hrs

Sophomore Year - Spring
FIL 2480 Directing for Film I 3 hrs
FIL 2481 Directing the Actor for Film I 3 hrs
FIL 2552 Editing I 3 hrs
FIL 3922 Film Colloquium 1 hr
GEP 3 hrs

Sophomore Year - Summer
GEP 3 hrs

Junior Year - Fall
DIG 2000 Introduction to Digital Media 3 hrs
FIL 2461 Cinematography I 3 hrs
FIL 3036 Film History I 3 hrs
FIL 3534 Sound Design for Film I 3 hrs
FIL 3922 Film Colloquium 1 hr
FIL 4486C Directing for Film II 3 hrs

Junior Year - Spring
FIL 3037 Film History II 3 hrs
FIL 3132 Short Script II 3 hrs
FIL 3922 Film Colloquium 1 hr
FIL 4547 Film Production Management 3 hrs
FIL 6061 The Film Producer 3 hrs
FIL XXXX - Elective

Senior Year - Fall
FIL 4434C Capstone I 3 hrs
FIL XXXX - Elective
FIL XXXX - Elective
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
 Prefer one course from 1.B.1 list
 Prefer one course from 1.B.1 or 1.B.2 list

C: Mathematical Foundations (6 hrs)
 Select 1:
 Prefer GES 1106 Finite Mathematics
 Prefer STA 1106 Introduction to Probability

Suggested

1. (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

- Students must maintain an overall average of “C” (2.0) or better in major courses.

3. Core Requirements: Basic Level (12 hrs)

4. Core Requirements: Advanced Level (36 hrs)

5. Restricted Electives (9 hrs)

- Select three courses from the following upper level FIL 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.

Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Must be taken outside the Film Department. (18 hrs min)

11. Departmental Exit Requirements

- Computer competency met by one of the following:

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
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 Transfer Courses
Acceptable substitutes for Common Program Prerequisites

FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken
FIL 1007 may use any introductory film writing course. However, FIL 1007 is a prerequisite for all major courses and must be taken

Plan of Study
- A minor is required. This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
FIL 1007 Foundations of Story 3 hrs
FIL 2030 History of Motion Pictures 3 hrs
Foreign Language I 4 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
FIL 1008 Cinematic Expression/Aesthetics 3 hrs
FIL 2107 Script Analysis 3 hrs
Foreign Language II 4 hrs

Freshman Year - Summer
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Fall
FIL 2423 Foundations of Production 3 hrs
FIL 3006 Art of the Cinema 3 hrs
FIL 3036 Film History I 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Spring
DIG 2000 Introduction to Digital Media 3 hrs
FIL 3037 Film History II 3 hrs
Take one of the following 3 hrs
- FIL 3102 Writing for Film and TV or
- FIL 3115 Short Script I
GEP 3 hrs
GEP 3 hrs

Junior Year - Fall
FIL 3363C Film Documentary 3 hrs
FIL 3803C Film Theory and Criticism I 3 hrs
FIL XXX - 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 XXX - Elective 3 hrs
Minor 6 hrs

Senior Year - Spring
FIL 3051 Avant-Garde Cinema 3 hrs
FIL XXX - 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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Finance (B.S.B.A.)
College of Business Administration
Department of Finance, Business Administration I,
Room: 409

Students seeking advising must go to BA 2 room 101.
http://web.bus.ucf.edu/academics/finance/
407-823-3575

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 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 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)

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 Microeconomics 3 hrs
- Suggested ECO 2023 Principles of Macroeconomics 3 hrs

Select 1: 3 hrs
- Suggested PSY 2012 General Psychology 3 hrs
- Suggested ANT 2000 General Anthropology 3 hrs
- Suggested SYG 2000 Introduction to Sociology 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
### Restricted Electives (6 hrs)

- **Select 2:**
  - ACG 3131 Intermediate Financial Accounting I or
  - ACG 3141 Intermediate Financial Accounting II or
  - ACG 3361 Cost Accounting I or
  - ECO 4412 Econometrics or
  - FIN 3411 Financial Statement Analysis or
  - FIN 4324 Commercial Bank Management or
  - FIN 4424 Advanced Topics in Financial Management or
  - FIN 4514 Portfolio Analysis and Management or
  - FIN 4533 Financial Derivatives or
  - FIN 4604 International Financial Management or
  - FIN 4606 Directed Independent Study or
  - FIN 4941 Finance Internship or
  - FIN 4933 Honors Directed Reading I or
  - FIN 4970H Undergraduate Honors Thesis or
  - MAR 3391 Professional Selling or
  - MAC 2233 Concepts of Calculus or
  - STA 2023 Statistical Methods I or
  - STA 2024 Statistics II or

### Core Requirements: Basic Level (32 hrs)

1. **First or subsequent semester in the College of Business Administration:**
   - 3 GEB 3031 Cornerstone: Professional Skills for Business
   - 4 GEB 3031 Cornerstone Lab: Professional Skills for Business
   - 3 MAR 3023 Marketing
   - 3 MAR 3203 Supply Chain Management

2. **Common Program Prerequisites (CPP) (18 hrs)**
   - **E: Science Foundations (6 hrs)**
     - 3 MAR 3203 Supply Chain Management
     - 3 FIN 3604 Commercial Bank Management
   - **5. Restricted Electives (6 hrs)**
     - 3 ACG 3131 Intermediate Financial Accounting I or
     - 3 ACG 3141 Intermediate Financial Accounting II or
     - 3 ACG 3361 Cost Accounting I or
     - 3 ECO 4412 Econometrics or
     - 3 FIN 3411 Financial Statement Analysis or
     - 3 FIN 4324 Commercial Bank Management or
     - 3 FIN 4424 Advanced Topics in Financial Management or
     - 3 FIN 4514 Portfolio Analysis and Management or
     - 3 FIN 4533 Financial Derivatives or
     - 3 FIN 4604 International Financial Management or
     - 3 FIN 4606 Directed Independent Study or
     - 3 FIN 4941 Finance Internship or
     - 1 FIN 4933 Honors Directed Reading I or
     - 1 FIN 4970H Undergraduate Honors Thesis or
     - 1 MAR 3391 Professional Selling or
     - 1 MAC 2233 Concepts of Calculus or
     - 1 STA 2023 Statistical Methods I or

3. **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.

4. **Core Requirements: Advanced Level (18 hrs)**
   - **FIN 3303 Financial Markets**
   - **FIN 3414 Intermediate Corporate Finance**
   - **FIN 3504 Investment Analysis**
   - **FIN 4453 Financial Models**
   - **Select 2:**
     - **FIN 4324 Commercial Bank Management or**
     - **FIN 4424 Advanced Topics in Financial Management or**
     - **FIN 4514 Portfolio Analysis and Management or**
     - **FIN 4533 Financial Derivatives or**
     - **FIN 4604 International Financial Management or**

### Capstone Requirements (4 hrs)

- **MAN 4720 Strategic Management**

5. **Capstone Requirements (4 hrs)**
   - **Select 2:**
     - **MAN 4720 Strategic Management**
     - **FIN 3461 Financial Statement Analysis**
     - **FIN 4424 Advanced Topics in Financial Management or**
     - **FIN 4514 Portfolio Analysis and Management or**
     - **FIN 4533 Financial Derivatives or**
     - **FIN 4604 International Financial Management or**

6. **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)

7. **Additional Requirements**

- **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

- **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.

- **Transfer Notes**
  - Courses taken at community colleges do not substitute for upper division courses.

- **Transfer Notes**
  - 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 College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, 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.
UCF Degree Programs

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Must complete nine hours in a summer semester.
- General electives as required to reach 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Freshman Year - Fall
- ENC 1101 Composition I
- SPC 1608 Fundamentals of Oral Communication
- MAC 1105C College Algebra
- Cult-Hist I
- Elective

Freshman Year - Spring
- ENC 1102 Composition II
- CGS 2100C Computer Fundamentals for Business
- Cult-Hist II
- Art/Music/Lit
- Elective

Sophomore Year - Fall
- ECO 2013 Principles of Macroeconomics
- ACG 2021 Principles of Financial Accounting
- Science
- Pay/Art/Soc
- Elective

Sophomore Year - Spring
- ECO 2023 Principles of Microeconomics
- ACG 2071 Principles of Managerial Accounting
- ECO 3401 Quantitative Business Tools I
- Science
- Elective

Junior Year - Fall
- GEB 3031 Cornerstone: Professional Skills for Business
- GEB 3375 Introduction to International Business
- MAR 3233 Marketing
- FIN 3403C Business Finance

Junior Year - Spring
- FIN 3303 Financial Markets
- FIN 3414 Intermediate Corporate Finance
- FIN 3504 Investment Analysis
- ECO 3411 Quantitative Business Tools II
- MAN 3025 Management of Organizations

Senior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business
- ISM 3011C Essentials of Management Information Systems
- FIN Elective
- FIN Elective

Senior Year - Spring
- MAN 4720 Strategic Management
- FIN 4453 Financial Models
- FIN Elective
- FIN Elective

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

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 Verkler, ED 220L, kverkler@mail.ucf.edu, 407-823-5235
Dr. Janet Andreasen, 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
- Required ENC 1102 Composition II
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (3 hrs)
- Prefer AMH 2020 U.S. History: 1877-Present
- Prefer PHI 2010 Introduction to Philosophy

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel
  - Prefer STA 2014C Principles of Statistics
- Select 1: 3 hrs
  - Suggested MGF 1106 Finite Mathematics
  - Suggested MGF 1107 Explorations in 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
  - 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
- FRE 2201 Intermediate French Language and Civilization II
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 in 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
2. EDF 4467 Learning Theory and Assessment 3 hrs
3. TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
4. RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Teaching Exceptional Students in Secondary Settings

1. EEX 4242 Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

Required prior to Internship I

Introduction to Special Education.

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
2. FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
3. FRE 3300 French Grammar 3 hrs
4. FRE 3420 French Composition 3 hrs
5. FRE 3760 Advanced French Oral Communication 3 hrs
6. FRW 3100 Survey of French Literature I 3 hrs
7. FRW 3101 Survey of French Literature II 3 hrs
8. FRE 4421 Advanced French Conversation 3 hrs
9. FRE 4422 Advanced French Composition 3 hrs
10. Upper division restricted electives (FRE/FRW 3/4XXX with advisor’s consent) 6 hrs

Required prior to Internship I.

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

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. 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.

2. 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.

3. 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/clinicalexperience.

4. 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

1. Required prior to Internship I

2. Required prior to Internship I

3. Required prior to Internship I

4. Required prior to Internship I

5. Restricted Electives
6. Capstone Requirements
7. Foreign Language Requirements
8. Electives
9. Additional Requirements
10. Required Minors
11. Departmental Exit Requirements
12. University Minimum Exit Requirements
13. Honors In Major
14. Related Programs
15. Certificates
16. Related Minors
17. Advising Notes
18. Transfer Notes
19. Acceptable Substitutes for Transfer Courses
20. Plan of Study

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
PSC 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

EDF 2005 Introduction to the Teaching Profession 3 hrs

EDF 2005 Introduction to the Teaching Profession 3 hrs

EDF 2005 Introduction to the Teaching Profession 3 hrs

EDF 2005 Introduction to the Teaching Profession 3 hrs

EDF 2005 Introduction to the Teaching Profession 3 hrs
**UCF Degree Programs**

**Select 1:** 3 hrs

- 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** 12 hrs

- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- FRE 2201 Intermediate French Language and Civilization II 3 hrs

**Select 1:** 3 hrs

- ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

**Sophomore Year - Summer** 3 hrs

- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

**Junior Year - Fall** 15 hrs

- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- FRE 3300 French Grammar 3 hrs
- FRE 3420 French Composition 3 hrs
- FRW 3100 Survey of French Literature I 3 hrs

**Junior Year - Spring** 15 hrs

- FRW 3101 Survey of French Literature II 3 hrs
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 3760 French Phonetics and Diction 3 hrs
- FRE 4422 Advanced French Composition 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

**Junior Year - Summer** 9 hrs

- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- EDF 4603 Analysis and Application 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** 12 hrs

- FLE 3940 Internship 3 hrs
- FRE 4421 Advanced French Conversation 3 hrs
- Two upper division restricted electives (FRE/FRW 3/4XXX) 6 hrs

**Senior Year - Spring** 12 hrs

- FLE 4941 Internship 12 hrs

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alrc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alrc/academic_learning_compacts.htm)

**Foreign Language Education - Spanish (B.S.)**

**College of Education**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**

[http://www.education.ucf.edu/language](http://www.education.ucf.edu/language)

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

Dr. Karen Verkler, ED 220L

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).

**Foreign Language Education - Spanish (B.S.)**

**College of Education**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**

[http://www.education.ucf.edu/language](http://www.education.ucf.edu/language)

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

Dr. Karen Verkler, ED 220L

Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430 407-823-5235

**Admission Requirements**

- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

**Degree Requirements**

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP)** (36 hrs)

- Students are advised to take the preferred courses.

**A: Communication Foundations** (9 hrs)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

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

- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

**C: Mathematical Foundations** (6 hrs)

- Prefer MGF 1106 Finite Mathematics 3 hrs

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

- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

**E: Science Foundations** (6 hrs)

- Prefer PSC 1121 Physical Science 3 hrs

**Select 1:** 3 hrs

- Prefer ANT 2511 The Human Species or 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

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
- SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs

**4. Core Requirements: Advanced Level** (69 hrs)

- EDF 4467 Learning Theory and Assessment 3 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: 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.

1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs

1 EDF 4467 Learning Theory and Assessment 3 hrs
5. Restricted Electives
   Required prior to Internship I
   © Community college transfer students may substitute EEX 2010 Introduction to Special Education.

   Internship I
   Required prior to Internship I
   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
   27 hrs
   1 FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
   1 FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
   SPN 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
   Community college transfer students may substitute lower division restricted electives.
   Select two upper division Spanish courses (SPN 3/4XXX) 6 hrs with advisor’s consent. The following courses are recommended:
   SPN 4410 Advanced Spanish Conversation 3 hrs
   SPN 4421 Advanced Spanish Composition 3 hrs
   SPN 4510 Spanish Civilization and Culture 3 hrs
   SPN 4520 Latin American Civilization and Culture 3 hrs

   Other Cognate Requirements
   3 hrs
   Select 1:
   SPN 3852 Bilinguismo or 3 hrs
   SPN 4800 Spanish-American Syntax or 3 hrs
   SPN 4801 Spanish Morphosyntax 3 hrs

   Internship II Block
   12 hrs
   At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
   Passing score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II. Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
   FLE 4941 Internship 12 hrs

5. Restricted Electives
   None
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/aic/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
- 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 Anatomy and Physiology 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 18 hrs

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 4 hrs
MAC 2312 Calculus with Analytic Geometry II CPP 4 hrs
PCB 3063 Genetics 3 hrs
PCB 3233 Immunology 3 hrs
PHY 2048C Physics for Engineers & Scientists I GEP/CPP 4 hrs
PHY 2049C Physics for Engineers and Scientists II CPP 3 hrs
STA 2023 Statistical Methods I GEP 3 hrs

4. Core Requirements: Advanced Level (34 hrs)

A. Forensic Science Core: 18 hrs
   - CHS 3501 Introduction to Forensic Science 3 hrs
   - CHS 3505C Forensic Microscopy 4 hrs
   - CHS 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 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

- ANT 4521 Forensic Anthropology 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- CHM 4912 Directed Independent Research 1 hr
- CHS 4506C Forensic Investigation Technology 3 hrs
- CHS 4515C Forensic Crime Scene Investigation 4 hrs
- CHS 4547C Advanced Topics in Trace Analysis 3 hrs
- PCB 3063L Genetics Laboratory 1 hr
- PCB 3233L Immunology Laboratory 1 hr

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None

8. Electives
   - Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
    - Achieve at least a minimum overall 2.5 GPA in all courses 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 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 - Biochemistry Track

Certificates
- Behavioral Forensics
- Crime Scene Investigation

Related Minors
- Chemistry

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 courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

**Freshman Year - Fall**
- BSC 2010C Biology I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP/CPP 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

**Freshman Year - Spring**
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- CHS 3591 Introduction to Forensic Science 3 hrs

**Sophomore Year - Fall**
- GEP 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- CHM 2210 Organic Chemistry I 3 hrs

**Sophomore Year - Spring**
- GEP 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- Restricted Elective 3 hrs
- ENC 1102 Composition II 3 hrs

**Junior Year - Fall**
- CHM 3120 Analytical Chemistry 3 hrs
- PCB 3063 Genetics 3 hrs
- CHS 3505C Forensic Microscopy 4 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- Free Elective 1 hr

**Junior Year - Spring**
- GEP 3 hrs
- CHS 3595 Forensic Science in the Courtroom 3 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- Restricted Elective 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs

**Senior Year - Fall**
- PCB 3233 Immunology 3 hrs
- CHS 3533 Forensic Biochemistry I 2 hrs
## Forensic Science - Biochemistry Track (B.S.)

**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.

### Core Science and Mathematics Requirements

<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>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>

### Core Science Requirements

**2. Core Requirements: Basic Level**

#### 2011-2012 Undergraduate Catalog

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
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<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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

### 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)

### Foreign Language Requirements
- None

### Capstone Requirements
- None

### Restricted Electives
- None

### 5. Restricted Electives
- Any course approved by the Forensic Program advisor. 3 hrs

### 6. Electives
- 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.

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**UCF Degree Programs**

CHM 3422  Applied Physical Chemistry  3 hrs  
CHS 3530C  Forensic Analysis of Controlled Substances  4 hrs  
GEP  3 hrs  
Free Elective  1 hr  
Free Elective  1 hr  

**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 4591</td>
<td>Forensic Science Internship</td>
<td>4 hrs</td>
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</table>

**B. Forensic Biochemistry Track:**

**27 hrs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4103L</td>
<td>Biochemical Methods</td>
<td>2 hrs</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>
<tr>
<td>GHS 4534C</td>
<td>Forensic Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3533L</td>
<td>Forensic Biochemistry I Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**5. Restricted Electives**

Any course approved by the Forensic Program advisor. 3 hrs

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**6. Capstone Requirements**

- None

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**7. Foreign Language Requirements**

- None

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**8. 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**

- 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.
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<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063L</td>
<td>Genetics Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHS 3505C</td>
<td>Forensic Microscopy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 4537</td>
<td>Forensic Laboratory Quality Assurance</td>
<td>2 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Free Elective</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3595</td>
<td>Forensic Science in the Courtroom</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry</td>
<td>3 hrs</td>
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<td>CHM 3120L</td>
<td>Analytical Chemistry Laboratory</td>
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<td>Molecular Biology I</td>
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<td>Immunology</td>
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<td>CHS 4534C</td>
<td>Forensic Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4591</td>
<td>Forensic Science Internship</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**French (B.A.)**

**College of Arts and Humanities**

**Department of Modern Languages and Literatures,**

**Colbourn Hall, Room: 523**


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 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)
   - D: Science Foundations (6 hrs)
   - E: Social Foundations (6 hrs)
   - F: International Foundations (3 hrs)
   - G: Physical Education (3 hrs)

2. Common Program Prerequisites (CPP) (14 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (21 hrs)
   - 1 Required MGF 1106 Finite Mathematics 3 hrs
   - Select 1: 3 hrs
     - FRE 3420 French Composition
     - FRE 3760 Advanced French Composition
   - Select 1: 3 hrs
     - FRE 3760 Advanced French Oral Communication
     - FRE 4421 Advanced French Conversation
   - Select 1: 3 hrs
     - FRW 3101 Survey of French Literature I
     - FRW 3770 Francophone Literature

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/alc/academic_learning_compacts.htm

General Business (B.S.B.A.)

College of Business Administration
Department of Management, Business Administration
II, Room: 101
http://www.bus.ucf.edu/
E-mail: usb@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 must have at least a 2.0 GPA in the major and COB.
Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Required CGS 2100C Computer Fundamentals for Business 3 hrs
Suggested MAC 1140 Pre-Calculus Algebra 3 hrs
D: Social Foundations (6 hrs)
Select 1: Required ECO 2013 Principles of Macroeconomics 3 hrs
or Required ECO 2023 Principles of Microeconomics 3 hrs
Select 1: Suggested ANT 2000 General Anthropology 3 hrs
or Suggested PSY 2012 General Psychology 3 hrs
or Suggested SYG 2000 Introduction to Sociology 3 hrs
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (18 hrs)
must be completed with a "C" (2.0) or better.
AGC 2021 Principles of Financial Accounting 3 hrs
AGC 2071 Principles of Managerial Accounting 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Select one of the following sequences of courses:
Students must receive a "C" (2.0) in both MAC 2233 and STA 2023 to be waived from ECO 3401.
ECO 3401 Quantitative Business Tools I 3 hrs
or MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs
3. Core Requirements: Basic Level
None
4. Core Requirements: Advanced Level (32 hrs)
Core Classes 32 hrs
First or subsequent semester in the College of Business 32 hrs
Administration:
BUL 3130 Legal and Ethical Environment of Business 4 hrs
AGC 3411 Quantitative Business Tools II and FIN 3403C Business Finance and 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 and MAN 3025 Management of Organizations and 4 hrs
MAN 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 47073 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 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: Select One 3 hrs
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
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
ECO 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
1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs
1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031
7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
None
8. Electives
General electives as required to reach 120 semester hours.
9. Additional Requirements
Students desiring to complete the General Business major as a second major within the College of Business Administration must complete 24 hours in the second major beyond the courses required for the General Business major.
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
- 1 Must complete nine hours in a summer term.

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
- 1 ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- 1 ** Students take 3 restrictive electives from approved list described above

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
- 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- 2 GEB 303L Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Supply Chain Management 4 hrs
- 1 Required in 1st or 2nd semester
- 2 Must be taken with GEB 3031

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
- 1 GEB 3375 Introduction to International Business 4 hrs
- 1 *Students take 3 restrictive electives from approved list described above

Senior Year - Spring
- 13 hrs
- ECP 4703 Managerial Economics 3 hrs
- MAN 4720 Strategic Management 4 hrs

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

Equipment Fees
- Full-Time Student: $30 per term
- Part-Time Student: $15 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/bshim.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 courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0)
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida 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, continuance 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
   (37 hrs)
   B: Cultural & Historical Foundations
   (9 hrs)
   C: Mathematical Foundations
   (6 hrs)
   Suggested MAC 1105C College Algebra 3 hrs
   Suggested STA 2014C Principles of Statistics 3 hrs
D: Social Foundations (6 hrs)
- Human Anatomy 4 hrs
- Human Physiology 4 hrs
- Principles of Managerial Accounting 3 hrs
- Principles of Financial Accounting 3 hrs

E: Science Foundations (7 hrs)
- Human Anatomy 4 hrs
- Human Physiology 4 hrs
- Computer Fundamentals for Business 3 hrs

2. Common Program Prerequisites (CPP) (17 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

1. See Transfer Notes

2. Core Requirements: Basic Level
- None

3. Core Requirements: Advanced Level (66 hrs)
- Introduction to Pharmacology 3 hrs
- Principles of Managed Care 3 hrs
- Medical Terminology 3 hrs
- Pathophysiology I 3 hrs
- Pathophysiology II 3 hrs
- Foundations of Health Information Management (HIM) 3 hrs
- Health Record Organization and Management 4 hrs
- Professional Practice Experience I 3 hrs
- Professional Practice Experience II 3 hrs
- Coding Procedures I 3 hrs
- Coding Procedures II 3 hrs
- Professional Development and Issues in Health Information Management 3 hrs
- Health Information Department Management 4 hrs
- Quality Management 3 hrs
- Health Information Management Systems 3 hrs
- Management Affiliation 5 hrs

Select 1:
- Organization & Management for Health Agencies I or MAN 3025 3 hrs

4. Electives
- None

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

Select 1:
- POS 2041 3 hrs
- ECO 2013 3 hrs

Sophomore Year - Fall
- ZOO 3733C 4 hrs
- Computer Fundamentals for Business 3 hrs
- Principles of Financial Accounting 3 hrs

Select 1:
- ARH 2050 3 hrs
- ARH 2051 3 hrs
- MUL 2010 3 hrs
- THE 2000 3 hrs

Sophomore Year - Spring
- 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
- Business Administration
- Computer Science

Certificates
- None

Transfer Notes
- None

Related Minors
- Health Services Administration
- Business
- Computer Science

Advising Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 3 hrs
- CHM 1032 3 hrs
- HSC 2000 2 hrs
- MAC 1105C 3 hrs
- Select 1: 3 hrs

Freshman Year - Spring
- ENC 1102 3 hrs
- STA 2014C 3 hrs
- BSC 2010C 4 hrs
- Select 1: 3 hrs

Sophomore Year - Fall
- ZOO 3733C 4 hrs
- Computer Fundamentals for Business 3 hrs
- Principles of Financial Accounting 3 hrs
- Select 1: 3 hrs

Sophomore Year - Spring
- ACG 2071 3 hrs
- PCB 3703C 4 hrs
- SPC 1608 3 hrs
- Select 1: 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Junior Year - Fall 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 4191</td>
<td>Health Care Automation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 3006</td>
<td>Foundations of Health Information Management (HIM)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 HSC 3537</td>
<td>Medical Terminology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4555</td>
<td>Pathophysiology</td>
<td>3 hrs</td>
</tr>
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</table>

Select 1: 3 hrs

1. MAN 3025  Management of Organizations or
2. HSA 4180  Organization & Management for Health Agencies I

Junior Year - Spring 15 hrs

<table>
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<th>Course Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>HIM 4226C</td>
<td>Coding Procedures I</td>
<td>5 hrs</td>
</tr>
<tr>
<td>HIM 3116C</td>
<td>Health Record Organization and Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HIM 3806C</td>
<td>Professional Practice Experience I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4559</td>
<td>Pathophysiology II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

1. HSA 4191  Health Care Automation or
2. HSA 4180  Organization & Management for Health Agencies I

Senior Year - Fall 13 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>HIM 4344C</td>
<td>Health Information Department</td>
<td>4 hrs</td>
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<tr>
<td>HIM 4508C</td>
<td>Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4526C</td>
<td>Coding Procedures II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4656C</td>
<td>Health Information Management Systems</td>
<td>3 hrs</td>
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Senior Year - Spring 12 hrs

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<tbody>
<tr>
<td>HIM 4676</td>
<td>Professional Development and Issues in Health Information Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4816C</td>
<td>Professional Practice Experience II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 HSA 4702</td>
<td>Health Sciences Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 HSA 5170</td>
<td>Health Care Finance</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

1. HSA 4191  Health Care Automation or
2. HSA 4180  Organization & Management for Health Agencies I

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: $15.00 per term
- Full-Time Student: $30.00 per term

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 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.

Admission Requirements

- None

Degree Requirements

- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be taken at a Florida 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.”

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations

- Suggested: SPC 1608  Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

1. Required: MAC 1105C  College Algebra 3 hrs

Select 1:

- Required: STA 2014C  Principles of Statistics or
- Required: STA 2023  Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

- Required: PSY 2012  General Psychology 3 hrs

Select 1:

- Required: ECO 2013  Principles of Macroeconomics or
- Required: ECO 2023  Principles of Microeconomics 3 hrs

E: Science Foundations (8 hrs)

- Required: BSC 2010C  Biology I or
- Required: PHY 2053C  College Physics I or

2. Common Program Prerequisites (CPP) (3 hrs)

1. CHM 1114  College Trigonometry 3 hrs
- Required: BSC 2010C  Biology I or

Select 1:

- Required: STA 2014C  Principles of Statistics or
- Required: STA 2023  Statistical Methods I or

Select 1:

- ECO 2023  Principles of Microeconomics or
- ECO 2013  Principles of Macroeconomics

3. Core Requirements: Basic Level (20 hrs)

1. CHM 2045C  Chemistry Fundamentals I 4 hrs
- CHM 2046  Chemistry Fundamentals II 3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory 1 hr
- DEP 2004C  Developmental Psychology 3 hrs
- HUN 2002  Modern Concepts in Nutrition 3 hrs
- PHY 2053C  College Physics I 4 hrs
- PHY 2054C  College Physics II 4 hrs

Select 1:

- SPC 1608  Fundamentals of Oral Communication 3 hrs
- 2 HSC 4008  Professional Development in Health Professions 3 hrs

Select 1:

- 2 HSC 4008  Professional Development in Health Professions 3 hrs
- 2 HSC 4008  Professional Development in Health Professions 3 hrs

1. Students must earn appropriate score on placement exam prior to enrolling in these classes.
2. For freshman and sophomore students. The upper level HSC 4008 (3hrs) can be used as a substitution as needed during the junior or senior years.

4. Core Requirements: Advanced Level (29 hrs)

- HSA 4702  Health Sciences Research Methods 3 hrs
- HSC 3147  Introduction to Pharmacology 3 hrs
- HSC 3211  Preventive Health Care 3 hrs
- HSC 4555  Pathophysiology I 3 hrs
## 5. Restricted Electives

- **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 and Lab.**

### Related Minors

- ZOO 4753C  Vertebrate Histology  4 hrs
- ZOO 4704C  Clinical Neuroanatomy and Neuroscience  4 hrs
- ZOO 3744  Neurobiology  3 hrs
- SYO 4400  Medical Sociology  3 hrs
- PET 4606  Applied Fitness in Sport  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 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**

## 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.

### 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 X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) credit required by UCF for graduation.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall 15 hrs
- BSC 2010C  Biology I  4 hrs
- MAC 1105C  College Algebra  3 hrs
- ENC 1101  Composition I  3 hrs
- SPC 1606  Fundamentals of Oral Communication  3 hrs
- HSC 2000  Introduction to the Allied Health Professions  2 hrs

Freshman Year - Spring 16 hrs
- ENC 1102  Composition II  3 hrs
- PSY 2012  General Psychology  3 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- Select 1:  3 hrs
  - STA 2014C  Principles of Statistics or
  - STA 2023  Statistical Methods I  3 hrs
- Select 1:  3 hrs
  - MUL 2010  Enjoyment of Music or
  - REL 2300  World Religions or
  - THE 2000  Theatre Survey or
  - PHI 2010  Introduction to Philosophy  3 hrs

Sophomore Year - Fall 14 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- DEP 2004C  Developmental Psychology  3 hrs
- ZOO 3733C  Human Anatomy  4 hrs
- Select 1:  3 hrs
  - EUH 2000  Western Civilization I or
  - AMH 2010  U.S. History: 1402-1877 or
  - HUM 2210  Humanistic Tradition I  3 hrs

Sophomore Year - Spring 16 hrs
- PCB 3703C  Human Physiology  4 hrs
- HUN 2002  Modern Concepts in Nutrition  3 hrs
- HSC 3147  Introduction to Pharmacology  3 hrs
- MAC 1114  College Trigonometry  3 hrs
- Select 1:  3 hrs
  - EUH 2001  Western Civilization II or
  - HUM 2230  Humanistic Tradition II or
  - AMH 2020  U.S. History: 1877-Present  3 hrs

Junior Year - Fall 13 hrs
- PHY 2053C  College Physics I  4 hrs
- HSC 4555  Pathophysiology I  3 hrs
- Restricted Elective  3 hrs
- Select 1:  3 hrs
  - ECO 2013  Principles of Macroeconomics or
  - ECO 2023  Principles of Microeconomics  3 hrs

Junior Year - Spring 16 hrs
- PHY 2054C  College Physics II  4 hrs
- HSA 4702  Health Sciences Research Methods  3 hrs
- HSC 4558  Pathophysiology II  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Senior Year - Fall 15 hrs
- HSC 3211  Preventive Health Care  3 hrs
- HSC 4652  Health Law and Ethics  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs

Senior Year - Spring 15 hrs
- HSC 4501  Epidemiology of Chronic Diseases  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- STA 2023  Statistical Methods I  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/aic/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
http://www.cohpa.ucf.edu/hmi/
E-mail: hsainfo@mail.ucf.edu

Dr. Reid Oetjen, Undergraduate Program Director
Dr. Myron Fottler, 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. 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://distributor.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 (9 hrs)
     - Prefer  SPC 1608  Fundamentals of Oral Communication  3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Suggested  MAC 1105C  College Algebra  3 hrs
   - Select 1:  3 hrs
     - Suggested  CGS 1060C  Introduction to Computer Science or
     - Suggested  CGS 2100C  Computer Fundamentals for Business  3 hrs
   - D: Social Foundations (6 hrs)
     - Suggested  ECO 2023  Principles of Microeconomics  3 hrs
   - Select 1:  3 hrs
     - Prefer  PSY 2012  General Psychology or
     - Prefer  SYG 2000  Introduction to Sociology  3 hrs
   - E: Science Foundations (6 hrs)
   - 2. Common Program Prerequisites (CPP) (9 hrs)
   - Students must earn a "C" (2.0) or better in each Common Program Prerequisite
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (48 hrs)

Select 1:
- CGS 2100C Computer Fundamentals for Business or
- CGS 1060C Introduction to Computer Science

GEP

5. Restricted Electives

6. Capstone Requirements (3 hrs)

Select 1:
- HIM 4508C Quality Management
- HSA 4702 Health Sciences Research Methods
- HSC 3537 Medical Terminology

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 com-
  munity college and will be pursuing a BS degree must meet the University
  foreign language admission requirements for graduation.

8. Electives

Select 1:
- CGS 2100C Computer Fundamentals for Business
- HSA 3170 Health Care Finance
- HSC 4201 Community Health

3 hrs

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

Select 1:
- HSA 3111 U.S. Health Care Systems
- HSA 3170 Health Care Finance
- HSA 3222 Long Term Care and Administration

3 hrs

12. University Minimum Exit Requirements

Select 1:
- 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 resid-
  ency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit
  by Exam, and Armed Forces credits permitted.

10. Honors in Major

- Interested students should consult with a faculty advisor.

Related Programs

- Public Administration
- Health Informatics and Information Management

Certificates

- Aging Studies
UCF Degree Programs

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 4109 Principles of Managed Care 3 hrs
HSC 4564 Health Care Needs of the Elderly 3 hrs
HSC 4652 Health Law and Ethics 3 hrs
HSA 4939 Health Services Administration Capstone 3 hrs
HSA 4850 Health Services Administration Internship 1 hr

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

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 compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required: AMH 2010 U.S. History: 1492-1877 3 hrs
   Required: AMH 2020 U.S. History: 1877-Present 3 hrs
   Select one course from 1.B.1 list 3 hrs

   C: Mathematical Foundations (6 hrs)
   1) Prefer MGF 1106 Finite Mathematics 3 hrs
   Prefer CSE 1000C 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 or 6 hrs
   British and European or 6 hrs
   Latin American or 6 hrs
   U.S. and Canadian 6 hrs
   - Select three hours of approved history courses

6. Capstone Requirements
   - None

7. Foreign Language Requirements

   Admissions
   - Met by graduation requirement

   Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

   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
   - 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
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 or
Required STA 2023 Statistical Methods I 3 hrs
Select 2: Required ECO 2013 Principles of Macroeconomics or
Required ECO 2023 Principles of Microeconomics 3 hrs

D: Social Foundations (6 hrs)
Select 1: 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)

2. Common Program Prerequisites (CPP) (3 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. Core Requirements: Basic Level (34 hrs)
Hospitality Management Core
FSS 2221C Techniques of Food Preparation 4 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 2431 Hospitality Industry Managerial Accounting 3 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

Quantitative Tools
MUC 1105C College Algebra GEP
Select 1: CSS 2100C Computer Fundamentals for Business or
STA 2023 Statistical Methods I GEP
Select 1: ECO 2013 Principles of Macroeconomics or
ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (21 hrs)
Sectoral Core (Choose 6 of the Following 7) 18 hrs
Select 6: HFT 2254 Lodging Operations or
HFT 3700 Tourism Management or
HFT 2750 The Event Industry or
HFT 3263 Restaurant Management or
HFT 3273 Principles of Resort Timesharing or
HFT 4755 Theme Park and Attraction Management or
HFT 4277 Yacht, Country, And City Club Management 3 hrs
## UCF Degree Programs

<table>
<thead>
<tr>
<th>Internships</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3840</td>
<td>Internship</td>
</tr>
<tr>
<td>HFT 4941</td>
<td>Internship</td>
</tr>
<tr>
<td>HFT 4944</td>
<td>Practicum</td>
</tr>
</tbody>
</table>

### 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>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 3035</td>
<td>Culture and Cuisine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 4135</td>
<td>Corporate Contract and Managed Services</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 4266C</td>
<td>Catering and Banquet Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3353</td>
<td>Golf Planning &amp; Operations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3354</td>
<td>Agronomy for Golf Course Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3355</td>
<td>Golf Planning &amp; Operations II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3357</td>
<td>Golf &amp; Club Event Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3364</td>
<td>Golf and Club Enterprises Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3364</td>
<td>Franchising in the Restaurant Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3741</td>
<td>Meeting Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3798</td>
<td>Fairs and Festivals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3868</td>
<td>History and Culture of Wine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4253</td>
<td>Hotel Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4266</td>
<td>Restaurant Brand Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4268</td>
<td>Case Studies in Restaurant Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4274</td>
<td>Resort Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4281</td>
<td>Restaurant Leadership Strategies and Tactics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning and Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4358</td>
<td>Golf &amp; Club Facility Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4432</td>
<td>Hospitality Industry Auditing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4522</td>
<td>Resort Sales Tactics and Strategies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4581</td>
<td>Destination Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4614</td>
<td>Risk Management in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4735</td>
<td>Tourism Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4736</td>
<td>Destination Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4762</td>
<td>Current Practices in the Airline Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4787</td>
<td>Operational Issues in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4796</td>
<td>International Events</td>
<td>3 hrs</td>
</tr>
<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.

<table>
<thead>
<tr>
<th>Track Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Theme Park and Attraction Management Track</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4614 Risk Management in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4759 Product Development in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4787 Operational Issues in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795 Entertainment Arts and Events</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Golf and Club Management Track (15 hrs)

- Students must complete at least 15 hours from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3353</td>
<td>Golf Planning &amp; Operations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3354</td>
<td>Agronomy for Golf Course Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3355</td>
<td>Golf Planning &amp; Operations II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3357</td>
<td>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 of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation

- None

#### 8. Electives

- **3-11 hours as necessary to result in 120 total credit hours.**

### 9. Additional Requirements

- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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

- 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 hospitality major.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

- Plan your required nine summer credit hours into your course 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>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 2:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Equipment Fees

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

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP)

3. Core Requirements: Basic Level (6 hrs)

HUM 2210  Humanistic Tradition I  GEP

HUM 2230  Humanistic Tradition II  GEP

HUM 4933  Senior Research Seminar

4. Core Requirements: Advanced Level (24 hrs)

Concentrations (choose one):

Note: Appropriate new or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

Classical Humanities

Western Traditions and Applications

ARH 4100  Italian Renaissance Art or

ARH 4170  Greek & Roman Art or

HUM 3510  Christian Thought or

REL 3553  Moses, Jesus and Muhammad or

CLT 3378  Comparative Mythology or

CLT 3370  Classical Mythology or

JST 3401  Jewish People in Antiquity or

REL 3432  Roots of Western Mysticism or

PHI 3100  Ancient Philosophy or

PHI 3200  Medieval Philosophy or

PHI 3460  Modern Western Philosophy

World Intellectual Traditions

ANT 3245  Native American Religions or

HUM 3401  Asian Humanities or

HUM 3417  Hindu Thought and Culture or

HUM 3419  Islamic Thought and Culture or

HUM 3460  Latin American Humanities or

HUM 4030  The Spiritual Ideal or

HUM 4554  Religious Quest and Human Dilemma or

PHI 3790  African Philosophy or

REL 3340  Buddhist Thought

Foundations

HUM 4301  The Classical Ideal

Select 2: (6 hrs)

HUM 3431  Ancient Humanities or

HUM 3435  Medieval Humanities or

HUM 3460  Modern Western Philosophy

1 Only one of these courses may be taken.
Multicultural Humanities  24 hrs
Traditions and Applications  15 hrs
ANT 3311  Indians of the Southeastern United States  3 hrs
ARH 3520  African Art  3 hrs
HUM 3401  Asian Humanities  3 hrs
HUM 3417  Hindu Thought and Culture  3 hrs
HUM 3419  Islamic Thought and Culture  3 hrs
REL 3553  Moses, Jesus and Muhammad  3 hrs
HUM 3460  Latin American Humanities  3 hrs
JST 3401  Jewish People in Antiquity  3 hrs
PHH 3701  Native American Philosophy  3 hrs
PHM 3123  Feminist Theories  3 hrs
PHI 3790  African Philosophy  3 hrs

Foundations  3 hrs
HUM 3320  Contemporary Multicultural Studies  3 hrs
Select 1:  3 hrs
HUM 3431  Ancient Humanities  3 hrs
HUM 3435  Medieval Humanities  3 hrs
Select 1:  3 hrs
HUM 3252  Contemporary Humanities  3 hrs
HUM 3255  Modern Humanities  3 hrs

Critical Humanities  24 hrs
Foundations  9 hrs
HUM 3255  Modern Humanities  3 hrs
HUM 3252  Contemporary Humanities  3 hrs
PHI 4804  Critical Theory  3 hrs
Traditions and Applications  15 hrs
HUM 4330  Performance Theory  3 hrs
HUM 4554  Religious Quest and Human Dilemma  3 hrs
HUM 3934  Representations of Place and Space  3 hrs
PHH 3510  Marx and Nietzsche  3 hrs
PHI 3638  Ethical Issues in the 21st Century  3 hrs
PHI 3053  Philosophy, Religion, and the Environment  3 hrs
PHM 3022  Sexuality, Gender & Philosophy  3 hrs
PHM 3123  Feminist Theories  3 hrs
PHP 3786  Existentialism  3 hrs
PHP 4782  Phenomenology  3 hrs
REL 3111  Religion and Philosophy Through Film  3 hrs
REL 3115  Religion, Spirituality, and Popular Music  3 hrs

5. Restricted Electives (3 hrs)
- Select one course from the 'Traditions and Applications' category in the concentrations that are not being used to satisfy Core Requirements, or other courses as approved by advisor.
Select 1:  3 hrs
HUM 4303  The Spiritual Ideal  3 hrs
PHI 3700  Philosophy of Religion  3 hrs
PHI 3800  Aesthetics  3 hrs
Or other courses as approved by advisor  3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a "C" (2.0) or better in each required course.
- Departmental Exit Exam in final 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 (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
- Same requirements as for regular majors.

Related Programs
- Religious Studies
- Philosophy
- Humanities - Philosophy, Religion, & Popular Culture Track

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
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 16 hrs
ENC 1101  Composition I  3 hrs
HUM 2210  Humanistic Tradition I  3 hrs
MGF 1106  Finite Mathematics  3 hrs
HUM 2020  Encountering the Humanities  3 hrs
Foreign Language  4 hrs

Freshman Year - Spring 16 hrs
ENC 1102  Composition II  3 hrs
HUM 2230  Humanistic Tradition II  3 hrs
UCF Degree Programs

STAI060C  Basic Statistics Using Microsoft Excel  3 hrs
Foreign Language  4 hrs

Select 1:  3 hrs
REL 2300  World Religions or
PHI 2010  Introduction to Philosophy  3 hrs

Sophomore Year - Fall  12 hrs
GEP  3 hrs
GEP  3 hrs
GEP  3 hrs
Restricted Elective  3 hrs

Sophomore Year - Spring  15 hrs
GEP  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Supporting Elective  3 hrs
Supporting Elective  3 hrs

Junior Year - Fall  15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Supporting Elective  3 hrs
Supporting Elective  3 hrs

Senior Year - Fall  15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Senior Year - Spring  16 hrs
HUM 4933  Senior Research Seminar  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  4 hrs

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

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-hour credits of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.

- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
1. UCF General Education Program (GEP)  (36 hrs)
A: Communication Foundations  (9 hrs)
B: Cultural & Historical Foundations  (9 hrs)
Suggested HUM 2210 Humanistic Tradition I  3 hrs
Suggested HUM 2230 Humanistic Tradition II  3 hrs
Select 1:  3 hrs
Suggested REL 2300 World Religions or
Suggested PHI 2010 Introduction to Philosophy  3 hrs

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

1 (May substitute a higher level math course)

D: Social Foundations  (6 hrs)
E: Science Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level
HUM 2210  Humanistic Tradition I  GEP
HUM 2230  Humanistic Tradition II  GEP
PHI 2010  Introduction to Philosophy  GEP

4. Core Requirements: Advanced Level  (18 hrs)
Core Requirements

Theoretical Foundations  6 hrs
PHI 3684  Ways of Living and  3 hrs
PHI 4341  Ways of Knowing  3 hrs

Philosophy 6 hrs
PHI 3670  Ethical Theory or
PHI 3700  Philosophy of Religion or
PHI 3800  Aesthetics or
PHI 3910  Freedom and Justice or
PHI 3720  Faith and Reason or
PHP 3761  Existentialism or
PHI 4804  Critical Theory or
PHI 4300  Theories of Knowledge or
PHI 2108  Critical Thinking  3 hrs

Religion  6 hrs
CLT 3378  Comparative Mythology or
HUM 3952  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  3 hrs

Popular Culture Studies 12 hrs
Contemporary Media  6 hrs
HUM 3320  Contemporary Multicultural Studies or
HUM 4566  Religion and the Arts or
HUM 4330  Performance Theory 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 3115  Religion, Spirituality, and Popular Music or
REL 3111  Religion and Philosophy Through Film or
SYP 3630  Popular Culture in Society  3 hrs

Contemporary Forms of Life  6 hrs
ANT 3302  Sex, Gender and Culture or
HUM 3252  Contemporary Humanities or
PHI 3022  Sexuality, Gender & Philosophy or
PHI 3629  Family Values or
PHI 3033  Philosophy, Religion, and the Environment or
PHM 3401  Philosophy of Law or
PHI 3638  Ethical Issues in the 21st Century or
PHI 3683  Philosophy of Friendship or
PHM 3020  Philosophy of Love or
PHM 3123  Feminist Theories or
UCF Degree Programs

5. Restricted Electives
- None

6. Capstone Requirements
- None
- HUM 4933 Senior Research Seminar (3 hrs)
- HUM 4970H Undergraduate Honors Thesis (3 hrs)

7. Foreign Language Requirements

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.

12. University Minimum Exit Requirements
- None

13. Honors In Major
- None

14. Required Minors
- None

15. 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.

16. Computer Competency met by one of the following:
- 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)

17. Total Semester Hours Required
- 120

18. 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

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

19. Program Academic Learning Compacts (student learning outcomes)
- None

20. 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.

21. Acceptable Substitutes for Transfer Courses
- None

22. Plan of Study
- None

23. 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

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
- Preferred 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: 3 hrs
  - Prefer ECO 2013 Principles of Macroeconomics
  - ECO 2023 Principles of Microeconomics
- Select one class from Social Foundations Group 2 3 hrs

Certificates
- None

Related Minors
- Humanities
- Philosophy
- Religious Studies

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
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
   - 128

3. Honors In Major
   - None

4. Related Programs
   - Mechanical Engineering

5. Certificates
   - None

6. Related Minors
   - None

7. Advising Notes
   - None

8. 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.

9. Acceptable Substitutes for Transfer Courses
   - None

10. Plan of Study
   - (128 hrs)
   - Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

   - **Freshman Year - Fall**
     - ENC 1101 Composition I 3 hrs
     - EGN 1006C Introduction to the Engineering Profession 3 hrs
     - MAC 2311 Calculus with Analytic Geometry I 4 hrs
     - CHS 1440 Fundamentals of Chemistry for Engineers 3 hrs

   - **Freshman Year - Spring**
     - ENC 1102 Composition II 3 hrs
     - EGN 1007C Systems Simulation 3 hrs
     - MAC 2312 Calculus with Analytic Geometry II 4 hrs
     - PHY 2048C Physics for Engineers & Scientists I 4 hrs

   - **Freshman Year - Summer**
     - COP 3223 Introduction to Programming with C 3 hrs

11. Degree Programs
   - University of Central Florida
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
SPC 1608 Fundamentals of Oral Communication or 3 hrs
SPC 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

Select 1: 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer or 3 hrs
EGN 3343 Thermodynamics 3 hrs

Junior Year - Spring 15 hrs
EIN 4364 Facilities Planning 3 hrs
ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
ESI 4523C Systems Simulation or 3 hrs
EIN 4333 Production and Distribution Systems or 3 hrs

Select 1: 3 hrs
EIN 4234 Quality Engineering 3 hrs
EIN 3891C Industrial Engineering Senior Design Project 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 or 3 hrs
ECON 4062 Fundamentals of Information Technology or 3 hrs
Restricted 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.octas.ucf.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
Julie Fari
407-823-3327

Admission Requirements
- None

Degree Requirements
- “C” (2.0) or better is required in all prerequisites and courses required for the major.
- Students should consult with a departmental advisor.
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at http://www.octas.ucf.edu/alc/academic_learning_compacts.htm

1. UCF General Education Program (GEP) (37 hrs)
A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
Prefer SPC 1603 Fundamentals of Technical Presentations or 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 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

C: Mathematical Foundations (6 hrs)
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Required ECO 2013 Principles of Macroeconomics 3 hrs
Required ECO 2013 Principles of Microeconomics 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 GEP
PSY 2012 General Psychology GEP
PHY 2053C College Physics I GEP
COP 3223 Introduction to Programming with C 3 hrs
COP 3330 Object Oriented Programming 3 hrs
CGS 2545C Database Concepts 3 hrs
STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
MAD 2104 Foundations of Discrete Math or 3 hrs
COT 3100C Introduction to Discrete Structures 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (51 hrs)
- A “C” (2.0) or better is required in all these courses.

Core Requirements
- None
- 45 hrs

COP 3502 Computer Science I 3 hrs
CIS 3380 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
COT 3004 Computer Network Concepts 3 hrs
CIS 3033 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
**Removeable COT 3010 or COT 3014 6 hrs**

**General Education Requirements**

- Complete the General Education Program, the Gordon Rule, the University Minimum Exit Requirements, and the University Minimum Exit Requirements for undergraduate programs. 60 semester hours earned after CLEP awarded.
- A 2.0 UCF GPA
- Fourteen 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
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</tr>
<tr>
<td>MAC 1140</td>
<td>Pre-Calculus Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<tr>
<td>SPC 1603</td>
<td>Fundamentals of Technical Presentations</td>
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<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
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</tr>
<tr>
<td>MAD 2104</td>
<td>Foundations of Discrete Math</td>
<td>3 hrs</td>
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<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
<td>4 hrs</td>
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<tr>
<td>CIS 3003</td>
<td>Fundamentals of Information Technology</td>
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<td>GEP</td>
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<tr>
<td>CAP 4104</td>
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<tr>
<td>EEL 3041</td>
<td>Circuit Analysis</td>
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<tr>
<td>CNT 3004</td>
<td>Computer Network Concepts</td>
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<tr>
<td>CIS 3360</td>
<td>Security in Computing</td>
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<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional or</td>
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<tr>
<td>ENC 3211</td>
<td>Theory and Practice of Technical Writing or</td>
<td>3 hrs</td>
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<tr>
<td>ENC 3250</td>
<td>Professional Writing</td>
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<tr>
<td>CIS 4313</td>
<td>Managing IT Integration</td>
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<td>PHI 3626</td>
<td>Advanced Ethics in Science and Technology</td>
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<td>GEP</td>
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<td>3 hrs</td>
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<tr>
<td>CGS 3763</td>
<td>Operating System Concepts</td>
<td>3 hrs</td>
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<td>ENC 4265</td>
<td>Writing for the Computer Industry or</td>
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<td>ENC 4293</td>
<td>Documentation and Collaborative Process or</td>
<td>3 hrs</td>
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<tr>
<td>ENC 4414</td>
<td>Writing and Hypertext or</td>
<td>3 hrs</td>
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<tr>
<td>ENC 4415</td>
<td>Digital Rhetorics and The Modern Dialectic</td>
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<tr>
<td>MAD 2104</td>
<td>Foundations of Discrete Math</td>
<td>3 hrs</td>
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<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
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<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
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<tr>
<td>CIS 3003</td>
<td>Fundamentals of Information Technology</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
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<td>3 hrs</td>
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<td>CNT 4703C</td>
<td>Design and Implementation of Computer Communication Networks</td>
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<tr>
<td>CIS 4004</td>
<td>Web-Based Information Technology</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Free Elective</td>
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<td>3 hrs</td>
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<tr>
<td>CNT 4603</td>
<td>System Administration and Maintenance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4910</td>
<td>Frontiers in Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4714</td>
<td>Enterprise Computing</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/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
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 internships 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.

- See the Interdisciplinary Studies Advising Team for details regarding each area:
  - Arts
  - Behavioral and Social Sciences
  - Commerce
  - Communication
  - Computational Sciences
  - Education
  - Engineering
  - Health
  - Humanities
  - Letters and Modern Languages
  - Physical Sciences
  - Life/Biomedical Sciences
  - Public Affairs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- BA: Met by graduation requirement.
- BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- Note: Students entering without having met the admission requirements must do so in order to graduate.

Graduation
- BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
- BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses, with an Interdisciplinary Studies adviser’s approval.

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

11. Departmental Exit Requirements
- A grade of “C” or above (2.0) is required for each course in the core and restricted electives.
- Computer Competency met by completing this major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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
Interdisciplinary Studies - Environmental Studies

Track (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

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements

None

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Students must have declared an Interdisciplinary Studies major at least one semester before graduation.

Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major.

Co-op credit cannot be used in the major.

Students must earn at least a “C” (2.0) grade in each required course in the core and subject areas.

Students must consult with an Interdisciplinary Studies adviser when entering the program.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

1 Required MAC 1105C College Algebra 3 hrs

Required STA 2023 Statistical Methods I 3 hrs

1 may take a higher level math

D: Social Foundations (6 hrs)

Required SYG 2000 Introduction to Sociology 3 hrs

Select 1:

Required ECO 2013 Principles of Macroeconomics 3 hrs

or

Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I 4 hrs

Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP)

None

3. Core Program Prerequisites (CPP)

None

4. Core Requirements: Basic Level (11 hrs)

Core for Environmental Studies:

Physical/Mathematical Sciences

CHM 2045C Chemistry Fundamentals I GEP
MAC 1105C College Algebra GEP
PSC 1121 Physical Science 3 hrs
STA 2023 Statistical Methods I GEP

Life Sciences

BSC 2010C Biology I GEP
BSC 2011C Biology II 4 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3044L Principles of Ecology Laboratory 1 hr

Social Science & Humanities

SYG 2000 Introduction to Sociology GEP

Select 1:

ECO 2013 Principles of Macroeconomics or 3 hrs

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
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
BSC 4312C Marine Biology 4 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 Diversity 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
UCF Degree Programs

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: womens@email.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 required elective course.
- Students who change degree programs and select this major must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level
- None

5. Restricted Electives (36 hrs)
- Students must complete either the Womanist/Women of Color subject area or the Women's Studies Cognate subject area to satisfy the First Study Area.
- Students must complete one subject area from those specified in the Second Study Area below.
- Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
- Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined

First Study Area - Womanist/Women of Color 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
- Select 5: 15 hrs
- AML 3614 Topics in African-American Literature or 3 hrs
- ANT 4308 Gender Issues in Latin America or 3 hrs
- ASH 4304 Women in China or 3 hrs

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Biology
- Chemistry
- Environmental Engineering
- Political Science
- Economics

Certificates
- None

Related Minors
- All 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 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/ialc/academic_learning_compacts.htm

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: womens@email.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 required elective course.
- Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level
- None

5. Restricted Electives (36 hrs)
- Students must complete either the Womanist/Women of Color subject area or the Women’s Studies Cognate subject area to satisfy the First Study Area.
- Students must complete one subject area from those specified in the Second Study Area below.
- Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
- Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined

First Study Area - Womanist/Women of Color 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
- Select 5: 15 hrs
- AML 3614 Topics in African-American Literature or 3 hrs
- ANT 4308 Gender Issues in Latin America or 3 hrs
- ASH 4304 Women in China or 3 hrs

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Biology
- Chemistry
- Environmental Engineering
- Political Science
- Economics

Certificates
- None

Related Minors
- All 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 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/ialc/academic_learning_compacts.htm
12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
### UCF Degree Programs

1. **UCF General Education Program (GEP)** (36 hrs)

   **A: Communication Foundations** (9 hrs)
   - Required One course from GEP B.2 list

   **B: Cultural & Historical Foundations** (9 hrs)
   - Prefer WOH 2012 World Civilization I
   - Prefer WOH 2022 World Civilization II

   **C: Mathematical Foundations** (6 hrs)
   - Prefer MGF 1106 Finite Mathematics or
   - May substitute a higher level math with appropriate scores
   - on the Math Placement Exam.

   **Math:** 3 hrs
   - Statistics: 3 hrs
   - Functional: 9 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 3903 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.

6. **Electives**
   - Other courses may be substituted with the chair's approval.

7. **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 4553 Politics of Japan
     - CPO 4643 Government and Politics of Russia
     - CPO 4710 Women in Comparative Politics
     - CPO 5354 Contemporary Politics of the Mayan Region
     - POS 3253 Contemporary Revolution and Political Violence
     - CPO 4514 Politics of East Asia

8. **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 4065 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

9. **Science Foundations** (6 hrs)
   - Prefer STA 2014C Principles of Statistics
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel or
   - May substitute a more advanced STA course.

10. **D: Social Foundations** (6 hrs)
    - Prefer POS 2041 American National Government
    - Required One course from GEP D.2 list

11. **E: Science Foundations** (6 hrs)
    - None

12. **3. Core Requirements: Basic Level** (6 hrs)
    - INR 2002 International Relations-Theory and Practice
    - POS 2041 American National Government
    - ECO 2013 Principles of Macroeconomics

13. **4. Core Requirements: Advanced Level** (15 hrs)
    - GEO 3471 World Political Geography
    - IDS 4515 Global Perspectives
    - CPO 3103 Comparative Politics
    - POS 3903 Scope and Methods of Political Science
    - INR 4603 International Relations Theory

14. **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.

15. **6. Capstone Requirements**
    - None

16. **7. Foreign Language Requirements**
    - None

17. **Admissions**
    - None

18. **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 lan-
      guages may be used to meet the requirement.

19. **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.

20. **Additional Requirements**
    - None

21. **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

22. **11. Departmental Exit Requirements**
    - Maintain a minimum GPA of 2.0 in the major.
    - Before applying to graduate, the CLAS must be completely satisfied.

23. **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 who meet the requirements are encouraged to
  participate in the HIM program. Contact the department for information
  about the program and the HIM coordinator.
## UCF Degree Programs

### Interpersonal/Organizational Communication (B.A.)

**College of Sciences**  
**Nicholson School of Communication, NSC, Room: 143**  
[http://communication.cos.ucf.edu](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 SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)
- Required STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

**Math:** (3 hrs)
- Suggested MGF 1106 Finite Mathematics 3 hrs
- Suggested STA 1060C Basic Statistics Using Microsoft Excel 3 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)

**A: Communication Foundations**
- SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations**
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

**C: Mathematical Foundations** (6 hrs)
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- STA 2014C Principles of Statistics 3 hrs

**Math:** (3 hrs)
- Suggested MGF 1106 Finite Mathematics 3 hrs
- Suggested STA 1060C Basic Statistics Using Microsoft Excel 3 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.

#### 4. Core Requirements: Advanced Level (12 hrs)
- Take all of the following: 12 hrs
  - COM 3011C Communication and Human Relations and Ethics 3 hrs
  - COM 3120 Organizational Communication and Teamwork 3 hrs
  - COM 3311 Communication Research Methods and Applications 3 hrs
  - SPC 3301 Interpersonal Communication 3 hrs

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#### 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)
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 3 hrs
   SPC X949 Coop 3 hrs
   A maximum of 3 credits of any combination of the following can be used as an External Restricted Elective:
   ENC 3250 Professional Writing 3 hrs
   ENC 3311 Advanced Expository Writing 3 hrs
   ENC 3241 Writing for the Technical Professional 3 hrs
   Other upper division COM or SPC courses with prior approval of department advisor.

   External Restricted Electives 6 hrs
   - A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Interpersonal - Organizational area (i.e. Advertising - Public Relations, Journalism, or Radio - Television).

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Met by graduation requirement.
   - Graduation
     - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
     - Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

8. Electives
   - Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

9. Additional Requirements
   - None

10. Required Minors
    - None

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

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- Interpersonal/Organizational Communication
- Mass Communication

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 3 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
GEP 3 hrs
Foreign Language 4 hrs
Free Elective 3 hrs

Sophomore Year - Fall 16 hrs
Free Elective 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
Free Elective 3 hrs

Sophomore Year - Spring 15 hrs
Free Elective 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 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
Free Elective 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs
COM 3120 Organizational Communication 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.oas.ucf.edu/alc/academic_learning_compacts.htm
Journalism (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
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.
   Required ENC 1101 Composition I and ENC 1102 Composition II
   Speech:
   Required SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
   Group 1: Select a course from group 1.
   Prefer AMH 2010 U.S. History: 1492-1877 or AMH 2020 U.S. History: 1877-Present
   Group 2: Select a course from group 2.
   Group 3: Select a third course from either group 1 or 2.

C: Mathematical Foundations (6 hrs)
   Statistics-Computers:
   Suggested CBI 1000 Introduction to Statistics or STA 3141 Introduction to Probability
   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.

D: Social Foundations (6 hrs)
   Group 1:
   Prefer POS 2041 American National Government
   Group 2: Select a listed course

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 GEP

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:
     - 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
     - PGE 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
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
   - English - Creative Writing
   - English - Technical Communication

Certificates
   - None

Related Minors
   - NOTE: Minors taught within the Nicholson School of Communication are not open to Journalism majors.
   - English - Creative Writing
   - English - Linguistics
   - English - Literature
   - English - Technical Communication
   - Writing and Rhetoric
   - History
   - Magazine Journalism
   - Political Science
   - Sociology

Advising Notes
   - It is the student's responsibility to ensure that course prerequisites have been satisfied before registering for a class.
   - Students are urged to contact their school advisor before registering for courses.

Transfer Notes
   - Lower division courses 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
   - ENC 1102 Composition I 3 hrs
   - STA 2014C Principles of Statistics 3 hrs
   - GEP 3 hrs

Freshman Year - Spring
   - ENC 1102 Composition II 3 hrs
   - STA 2014C Principles of Statistics 3 hrs
   - GEP 3 hrs
   - Elective / Minor 3 hrs

Sophomore Year - Fall
   - JOU 2100C News Reporting 3 hrs
   - GEP 3 hrs
   - GEP 3 hrs
   - Elective / Minor 3 hrs

Sophomore Year - Spring
   - JOU 3004 History of American Journalism 3 hrs
   - GEP 3 hrs
   - GEP 3 hrs
   - Elective / Minor 3 hrs

Junior Year - Fall
   - 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
   - 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
   - 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
   - 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 choose 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)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Select 1:
Suggested STA 1060C Basic Statistics Using Microsoft Excel

Select 2
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
■ None

3. Core Requirements: Basic Level (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

5. Restricted Electives (21 hrs)
■ Restricted electives are divided into two areas of emphasis.
■ Students must take a minimum of 12 credit hours in the first area of emphasis and 9 additional credit hours in the second area of emphasis as detailed below.
■ Students may not use more than 9 credit hours of courses with the same prefix within the first area of emphasis or more than 6 credit hours of courses with the same prefix within the second area of emphasis.
■ Note that this is not an exhaustive list of course options. Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the program director.

AREA ONE: 12 hrs
ANTHROPOLOGY
ANT 3160 Americas Before Columbus 3 hrs
ANT 3161 Archaeology of Mexico 3 hrs
ANT 3163 Mesoamerican Archaeology 3 hrs
ANT 3164 Ancient Incas 3 hrs
ANT 3165 Archaeology of South America 3 hrs
ANT 3168 Maya Archaeology 3 hrs
ANT 3319 Anthropology of Diaspora 3 hrs
ANT 3330 Cultural Ecology of Amazonia 3 hrs
ANT 3344 Puerto Rican Culture 3 hrs
ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
ANT 4308 Gender Issues in Latin America 3 hrs
ANT 4340 Caribbean Cultures 3 hrs

HISTORY
LAH 3130 Latin American History I 3 hrs
LAH 3400 History of Mexico and Central America 3 hrs
LAH 3470 History of the Caribbean 3 hrs
LAH 4136 Colonial Florida 3 hrs
LAH 4512 Modern Argentina 3 hrs
LAH 4461 History of Puerto Rico 3 hrs
LAH 4480 History of Cuba 3 hrs
LAH 4742 The Mexican Revolution 3 hrs
LAH 4780 Poverty and Development in Latin America 3 hrs

Spanish and Spanish Literature
■ Students can choose from the extensive listing of upper level SPN and SPW courses. No more than six (6) hours can overlap between the major and the minor.

AREA TWO: 9 hrs
■ (Select no more than 6 credit hours of courses with the same prefix)

ART HISTORY
ARH 2051 History of Western Art II 3 hrs
ARH 3670 20th Century Latin American Art 3 hrs
ARH 3673 Modern Art of Mexico 3 hrs
ARH 3674 Latin American Popular Visual Culture 3 hrs
ARH 4653 Meso American Art 3 hrs

ENGLISH
AML 3615 Harlem, Haiti, and Havana 3 hrs
AML 3682 Ethnic Literature in America 3 hrs
AML 4630 Latino/Latina Literature 3 hrs
LIT 3192 Caribbean Literature 3 hrs
LIT 3381 Women Writers of Color 3 hrs
LIT 3823 Hispanic Women Writers 3 hrs

HUMANITIES
HUM 3460 Latin American Humanities 3 hrs

INTERNATIONAL RELATIONS
INR 4243 International Politics of Latin America 3 hrs

LATIN AMERICAN STUDIES
LAS 4023 African Caribbean Experience 3 hrs

POLITICS
CPO 3034 Politics of Developing Areas 3 hrs
CPO 3103 Comparative Politics 3 hrs
CPO 4047 Politics of the NAFTA Region 3 hrs
CPO 4074 Political Economy 3 hrs
CPO 4794 Indigenous Politics and the Environment 3 hrs
CPO 4303 Comparative Latin American Politics 3 hrs

PUBLIC POLICY
PUP 3314 Minorities in American Politics 3 hrs

6. Capstone Requirements
■ Required Experiential Learning (capstone experience, 0 - 3 hrs):
■ Students are required to complete a study or work experience in Latin American Studies. This may be fulfilled through participation in any one of the following:
■ A formal study-abroad program on Latin America of at least 45 contact hours equaling three hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three hours of academic internship credit for this option may be available if authorized by the Program Director Internship on Latin American Studies.
■ Students may also elect to complete three hours of upper division credit in an indigenous language such as Yucatec Maya, 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.oelas.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 law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

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.
11. Departmental Exit Requirements
- Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.
- Second Bachelor’s degree students must complete a minimum of 30 credit hours of Legal Studies (PLA) coursework after being admitted as a second degree seeking student.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Interested students should consult with their faculty advisor.

Related Programs
- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
- Business Administration

Certificates
- Undergraduate Certificate in Public and Professional Writing

Related Minors
- Business
- Criminal Justice
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- Select 1: General Psychology or Introduction to Sociology 3 hrs
- SYG 2000 Writing and Rhetoric 3 hrs
- Select 1: Biological Principles or Introduction to Biotechnology and Genetic Engineering 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- Free Elective 3 hrs
- Select 1: Principles of Macroeconomics or Principles of Microeconomics 3 hrs
- Select 1: History of Western Art I or History of Western Art II 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs
- REL 2300 World Religions 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- LIT 2110 World Literature I 3 hrs
- LIT 2120 World Literature II 3 hrs

Select 1: History of Western Art I or History of Western Art II 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs
- REL 2300 World Religions 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- LIT 2110 World Literature I 3 hrs
- LIT 2120 World Literature II 3 hrs

10. Required Minors
- None

10. Required Minors
- None
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.

1. UCF General Education Program (GEP)

A: Communication Foundations
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations
- (9 hrs)

C: Mathematical Foundations
- Required CGS 2100C Computer Fundamentals for Business
- Required MAC 1140 Pre-Calculus Algebra

D: Social Foundations
- (6 hrs)

Select 1:
- Required ANT 2000 General Anthropology
- Required PSY 2012 General Psychology
- Required SYG 2000 Introduction to Sociology

Select 2:
- Required ECO 13 Principles of Macroeconomics
- Required ECO 2023 Principles of Microeconomics

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
- MAC 2233 Concepts of Calculus
- ACG 2071 Principles of Managerial Accounting
- STA 2023 Statistical Methods I

Preferred
- SPC 1608 Fundamentals of Oral Communication
- MAC 2233 Concepts of Calculus and
- STA 2023 Statistical Methods I

3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level

(32 hrs)
First or subsequent semester in the College of Business Administration:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>4</td>
</tr>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools I</td>
<td>4</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
<td>4</td>
</tr>
<tr>
<td>1 GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
<td>3</td>
</tr>
<tr>
<td>2 GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
<td>1</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
<td>4</td>
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<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>4</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Supply Chain Management</td>
<td>4</td>
</tr>
</tbody>
</table>

1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

5. Restricted Electives
- Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below.
<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Resource Management Track</td>
<td>24 hrs</td>
</tr>
<tr>
<td>Required Courses</td>
<td>15 hrs</td>
</tr>
<tr>
<td>MAN 3301 Management of Human Resources and Selection</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4240 Organizations: Theory and Behavior</td>
<td>3 hrs</td>
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<tr>
<td>MAN 4320 Human Resources Recruitment and Selection</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4330 Compensation Administration and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4350 Training and Development</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective Courses</td>
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<tr>
<td>BUL 4540 Employment Law or</td>
<td>3 hrs</td>
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<tr>
<td>GEB 3113 How to Start a Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4110 Business Plan Preparation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4111 New Venture Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4435 Moral Foundations of Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any MAN Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Management Track</td>
<td>24 hrs</td>
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<tr>
<td>Required Courses</td>
<td>15 hrs</td>
</tr>
<tr>
<td>MAN 3301 Management of Human Resources and Selection</td>
<td>3 hrs</td>
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<tr>
<td>MAN 3520 Quality &amp; Productivity Management and</td>
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<tr>
<td>MAN 4240 Organizations: Theory and Behavior</td>
<td>3 hrs</td>
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<tr>
<td>MAN 4441 Conflict Resolution and Negotiation and</td>
<td>3 hrs</td>
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<tr>
<td>MAN 4701 Business Ethics and Society</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective Courses</td>
<td>9 hrs</td>
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<tr>
<td>BUL 4540 Employment Law or</td>
<td>3 hrs</td>
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<tr>
<td>GEB 3113 How to Start a Business or</td>
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<tr>
<td>GEB 4111 New Venture Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4435 Moral Foundations of Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any MAN Course</td>
<td>3 hrs</td>
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<tr>
<td>Entrepreneurship Track</td>
<td>24 hrs</td>
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<tr>
<td>Required Courses</td>
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<td>GEB 4110 Business Plan Preparation and</td>
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<tr>
<td>GEB 4111 New Venture Finance or</td>
<td>3 hrs</td>
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<tr>
<td>MAN 3301 Management of Human Resources and</td>
<td>3 hrs</td>
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<tr>
<td>MAN 4802 Entrepreneurship</td>
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<td>Select 1:</td>
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<tr>
<td>MAR 3391 Professional Selling or</td>
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<tr>
<td>MAR 3641 Marketing Intelligence</td>
<td>3 hrs</td>
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<td>Restricted Elective Courses</td>
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<td>BUL 4540 Employment Law or</td>
<td>3 hrs</td>
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<tr>
<td>GEB 4435 Moral Foundations of Business or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any MAN course</td>
<td>3 hrs</td>
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<td>6. Capstone Requirements</td>
<td>(4 hrs)</td>
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<tr>
<td>MAN 4720 Strategic Management</td>
<td>4 hrs</td>
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<tr>
<td>7. Foreign Language Requirements</td>
<td></td>
</tr>
<tr>
<td>Admissions</td>
<td></td>
</tr>
<tr>
<td>This course is taken in the graduating term and requires</td>
<td></td>
</tr>
<tr>
<td>the following prerequisites:</td>
<td></td>
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<tr>
<td>FIN 3403C Business Finance</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEB 3031 Cornerstone: Professional Skills for</td>
<td>3 hrs</td>
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<tr>
<td>Business</td>
<td></td>
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<tr>
<td>GEB 3031L Cornerstone Lab: Professional Skills for</td>
<td>1 hr</td>
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<tr>
<td>Business</td>
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</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required in 1st or 2nd semester</td>
<td></td>
</tr>
<tr>
<td>Must be taken with GEB 3031</td>
<td></td>
</tr>
<tr>
<td>12. University Minimum Exit Requirements</td>
<td></td>
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<tr>
<td>A 2.0 UCF GPA</td>
<td></td>
</tr>
<tr>
<td>60 semester hours earned after CLEP awarded</td>
<td></td>
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</tbody>
</table>
UCF Degree Programs

General Management Track

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
- MAN 3520 Quality & Productivity Management 3 hrs

1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

Senior Year - Fall
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3301 Management of Human Resources 3 hrs
- MAN 4240 Organizations: Theory and Behavior 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Entrepreneurship Track

Junior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAN 4802 Entrepreneurship 3 hrs

Senior Year - Fall
- GEB 4111 New Venture Finance 3 hrs
- MAN 3301 Management of Human Resources 3 hrs
- MAR 3203 Supply Chain Management 4 hrs
- Restricted Elective 3 hrs

Select 1:
- MAR 3391 Professional Selling or 3 hrs
- MAR 3641 Marketing Intelligence 3 hrs

Senior Year - Spring
- GEB 4110 Business Plan Preparation 3 hrs
- MAN 4720 Strategic Management 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Marketing (B.S.B.A.)

Department of Marketing, Business Administration II, Room: 101

http://www.bus.ucf.edu

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 prerequisite 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

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: $15 per term
- Full-Time Student: $30 per term

http://www.bus.ucf.edu
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:
      • Students who have not completed both MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401
      • 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:
      • See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
      MAC 2233 Concepts of Calculus and 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
      • Required Courses 18 hrs
         MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
         MAR 4156 International Marketing 3 hrs
         MAR 3765 Entrepreneurial Marketing 3 hrs
   5. Restricted Electives (6 hrs)
   General Marketing
      • Select a minimum of 2 courses from the following list of courses:
         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 4841 Services Marketing 3 hrs
         MAR 4941 Marketing Internship 3 hrs
   6. Capstone Requirements (4 hrs)
      • This course is 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
         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
    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
      • 46 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
- 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
- None

Plan of Study
- Must complete nine hours in a summer semester

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

Sophomore Year - Fall
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Science 3 hrs
- Psy/Ant/Soc 3 hrs
- Elective 3 hrs

Sophomore Year - Spring
- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- Science 3 hrs
- Massage 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall
- 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
- MAN 4720 Strategic Management 4 hrs
- MAR 4803 Marketing Management 3 hrs
- MAR 3025 Management of Organizations 4 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR Elective 3 hrs
- MAR 3203 Supply Chain Management 4 hrs

Senior Year - Spring
- MAR 4803 Marketing Management 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR Elective 3 hrs
- MAR 3203 Supply Chain Management 4 hrs
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:
  - 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

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 PHY 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 4226 Advanced Calculus I  3 hrs
  - MAT 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  3 hrs
  - MAP 4153 Vector and Tensor Analysis  3 hrs

4. Core Requirements: Advanced Level (42 hrs)
  - MHF 3302 Logic and Proof in Mathematics  3 hrs
  - MAS 3105 Matrix and Linear Algebra  4 hrs
  - MAS 3106 Linear Algebra  4 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

Select 1:
  - COP 3502C Computer Science I  GEP

Note: Certain courses must be selected for this major, bringing GEP hours above 36

4. Core Requirements: Advanced Level (42 hrs)
  - MHF 3302 Logic and Proof in Mathematics  3 hrs
  - MAS 3105 Matrix and Linear Algebra  4 hrs
  - MAS 3106 Linear Algebra  4 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

Select 1:
  - COP 3502C Computer Science I  GEP

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 Education
- 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
- 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
- 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
- PHY 2048C: Physics for Engineers & Scientists I 4 hrs
- MAC 3131: Calculus with Analytic Geometry III 4 hrs
- MAS 3105: Matrix and Linear Algebra 4 hrs
- GEP: 3 hrs

### Sophomore Year - Spring
- MAP 2302: Differential Equations 3 hrs
- MAS 3106: Linear Algebra 4 hrs
- PHY 2048C: Physics for Engineers and Scientists II 4 hrs
- GEP: 3 hrs

### Junior Year - Fall
- GEP: 3 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
- 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
- COP 3502C: Computer Science 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.oeras.ucf.edu/aac/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

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

http://math.ucf.edu

207

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 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 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 2302: 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) |
| 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 |
| Required | PHY 2048C: Physics for Engineers & Scientists I 4 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 |
| Life Sciences | (3 hrs) |
| Select one course listed in GEP E 2 | 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 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 3502C Computer Science I GEP
- COP 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

Honors 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/

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<td>GEP</td>
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<td>MAC 2312</td>
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<td>PHY 2049C</td>
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<td>COP 3223</td>
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<td>MAP 4363</td>
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### UCF Degree Programs

#### Mathematics - Engineering/Physics Track (B.S.)

**College of Sciences**  
**Department of Mathematics, Math and Physics, Room: 207**

[http://math.ucf.edu](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**
  - **General Education Program (GEP)**
  - **Core Requirements: Basic Level (3 hrs)**
  - **Core Requirements: Advanced Level (53 hrs)**

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

#### UCF Junior Year - Spring

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<tr>
<td>MAA 4402</td>
<td>Introduction to Complex Variables</td>
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<tr>
<td>MAP 4364</td>
<td>Applied Boundary Value Problems II</td>
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#### UCF Senior Year - Fall

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#### UCF Senior Year - Spring

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<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4500</td>
<td>Numerical Calculus</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Program Academic Learning Compacts
- **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**
  - **General Education Program (GEP)**
  - **Core Requirements: Basic Level (3 hrs)**
  - **Core Requirements: Advanced Level (53 hrs)**

**Program Academic Learning Compacts**
- **University College**
- **Program Academic Learning Compacts (student learning outcomes)** for undergraduate programs are located at:
  - [http://www.oaeas.ucf.edu/aio/academic_learning_compacts.htm](http://www.oaeas.ucf.edu/aio/academic_learning_compacts.htm)
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 4323 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
EGE 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 4361 Environmental Engineering Operations & Processes II or 3 hrs
ESI 4234 Quality Engineering or 3 hrs
ESI 4232C 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 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

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. Department 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 coursework 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 Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/

Freshman Year - Fall

- GEP 13 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs

Freshman Year - Spring

- GEP 3 hrs
- GEP 3 hrs
- Core Course 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- Core Course 3 hrs

Sophomore Year - Fall

- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- GEP 3 hrs

Sophomore Year - Spring

- GEP 3 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- Core Course 3 hrs
- Free Elective 3 hrs
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.

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.

Junior Year - Fall

- GEP 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- MAP 4153 Vector and Tensor Analysis 3 hrs
- Free Elective 3 hrs

Junior Year - Spring

- MAA 4402 Introduction to Complex Variables 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- GEP 3 hrs

Senior Year - Fall

- MAP 4363 Applied Boundary Value Problems I 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring

- MAP 4364 Applied Boundary Value Problems II 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 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

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

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

- Required MAC 2311 Calculus with Analytic Geometry I

- Required STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)

- Select 1: ECO 2013 Principles of Microeconomics

- Required ECO 2023 Principles of Microeconomics

- Required ECO 2023 Principles of Microeconomics

- Required ECO 2023 Principles of Microeconomics

- Select 1: Suggested PSY 2012 General Psychology

- Suggested SYG 2000 Introduction to Sociology

- Suggested ANT 2000 General Anthropology

E: Science Foundations (7 hrs)

- 1. Physical or Life Science designed for majors.

- Required BSC 2011C Biology II

- Required BSC 2010C Biology I

- Required PHY 2048C Physics for Engineers & Scientists I

- Required PHY 2048C Physics for Engineers & Scientists I

- Required PHY 2048C Physics for Engineers & Scientists I

- Required PHY 2048C Physics for Engineers & Scientists I

- Required PHY 2048C Physics for Engineers & Scientists I

- Required PHY 2048C Physics for Engineers & Scientists I

2. Remaining Science Requirement (3 hrs)

- Complete the section of the Science GEP not yet taken.

3. Core Requirements: Basic Level (26 hrs)

- ECO 2013 Principles of Microeconomics 3 hrs

- ECO 2023 Principles of Microeconomics 3 hrs

- MAA 3302 Logic and Proof in Mathematics 3 hrs

- MAP 2302 Differential Equations 3 hrs

- STA 3421 Statistical Theory I 3 hrs

- ECO 3101 Intermediate Microeconomics 3 hrs

- ECO 3203 Intermediate Macroeconomics 3 hrs

- ECO 4451 Research Methods in Economics 3 hrs

- STA 2023 Statistical Methods I 3 hrs

4. Core Requirements: Advanced Level (17 hrs)

- MAA 4226 Advanced Calculus I 4 hrs

- MAS 3106 Linear Algebra 4 hrs

- MAP 4103 Mathematical Modeling I 3 hrs

- ECO 3419 Mathematical Economics 3 hrs

- ECO 4412 Econometrics 3 hrs

Remaining Science Sequence

- Complete the science sequence started in the Common Program Prerequisites.

- PHY 2048C Physics for Engineers and Scientists II 4 hrs

- or

- CHM 2045C Chemistry Fundamentals I or

- PHY 2048C Physics for Engineers & Scientists I

- or

- BSC 2011C Biology II 4 hrs

- or

- CHM 2045C Chemistry Fundamentals I or

- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

- or

- BSC 2011C Biology II 4 hrs

- or
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 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
   ■ 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 sup-
     porting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses
   ■ Substitutes for common program prerequisites if taken prior to trans-
     ferring 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**
- ENC 1101 Composition I 4 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**
- ECO 2023 Principles of Microeconomics 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHF 3303 Logic and Proof in Mathematics 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs

**Sophomore Year - Fall**
- 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 3 hrs

**Sophomore Year - Spring**
- 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**
- 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**
- MAP 4103 Mathematical Modeling I 3 hrs
- ECO 3410 Mathematical Economics 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Fall**
- MAA 4226 Advanced Calculus I 4 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Spring**
- 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)

Mathematics - Pure Track (B.S.)

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
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 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

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 2048C Physics for Engineers & Scientists I 4 hrs
     - Required PHY 2048C Physics for Engineers & Scientists I 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 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 CPP
   - PHY 2048C Physics for Engineers & Scientists I GEP/CPP
   - PHY 2049C Physics for Engineers and Scientists II CPP

4. Core Requirements: Advanced Level (42 hrs)
   - MTH 3302 Logic and Proof in Mathematics 3 hrs
   - MAS 3115 Matrix and Linear Algebra 4 hrs
   - MAS 3116 Linear Algebra 4 hrs
   - MAP 3363 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
   - MTH 4226 Advanced Calculus I 3 hrs
   - MTH 4227 Advanced Calculus II 3 hrs
   - MTH 4233 Applied Combinatorics 3 hrs
   - MTG 4302 Introduction to Topology 3 hrs
   - MAA 4402 Introduction to Complex Variables 3 hrs

5. Restricted Electives (3 hrs)
   - Select one of the following courses; 3 hrs
     - PCB 3044 Principles of Ecology or 3 hrs
     - PCB 3063 Genetics or 3 hrs
     - PCB 4302C Physiochemical Limnology or 4 hrs
     - PCB 4303C Biological Limnology or 4 hrs
     - CHM 2046 Chemistry Fundamentals II or 3 hrs
     - CHM 2210 Organic Chemistry I or 3 hrs
     - PHY 3101 Physics for Engineers and Scientists III or 3 hrs
     - PHY 3323 Electricity and Magnetism I or 3 hrs
     - PHY 4424 Optics 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
- None

Graduation
- None

Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

Additional Requirements
- None

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
- Certificates
  - None
  - Related Minors
    - Computer Science
    - Physics
    - Statistics
    - Economics
    - Mathematics

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.
Physics: may use any PHY, CHM or BSC course with a lab designed for science majors; 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/

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

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
  - 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
  - MAC 3113 Calculus with Analytic Geometry III 4 hrs
  - MAS 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 4303 Applied Boundary Value Problems I 3 hrs
  - MAS 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 3620C 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 4203 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.oes.ucf.edu/alc/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, jabreaa@mail.ucf.edu, 407-823-5430
Dr. Erhan Haciomeroglu, ED 115L, erhanhm@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
  - Preferred 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 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
  - Required POS 2041 American National Government 3 hrs
  - Required PSY 2012 General Psychology 3 hrs

E: Science Foundations
- 6 hrs
  - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - Required STA 2023 Statistical Methods I 3 hrs

Select 1:
- 3 hrs
  - Required ANT 2511 The Human Species 3 hrs
  - Preferred 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.

Take all of the following:
- 9 hrs
  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - 1 EDF 2085 Introduction to Diversity for Educators and
  - 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
- 14 hrs
  - Students should consult advisor regarding course options.
  - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - STA 2023 Statistical Methods I 3 hrs
  - STA 2023 Calculus with Analytic Geometry II 4 hrs
UCF Degree Programs

MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 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.

4. Core Requirements: Advanced Level (60 hrs)

Education Core Requirements 18 hrs
- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL.

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.clinicalexperiences.education.ucf.edu/

Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the professional level in accordance with State Board of Education Rule 6A-5.066.

MAE 4941 Internship 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 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 (120 hrs)
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- PSC 1121 Physical Science 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1: 3 hrs
- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

Freshman Year - Summer 10 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHI 2110 Introduction to Philosophy 3 hrs
- PSY 2102 General Psychology 3 hrs

Sophomore Year - Fall 15 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- STA 2023 Statistical Methods I 3 hrs
Sophomore Year - Spring 16 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
MAS 3105 Matrix and Linear Algebra 4 hrs
MAS 3203 Introduction to Number Theory 3 hrs
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

Junior Year - Fall 13 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
MTG 4212 Modern Geometries 4 hrs

Junior Year - Spring 12 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
MAE 4634 Programs in Teaching of Mathematics 3 hrs
STA 4163 Statistical Methods II 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Senior Year - Fall 13 hrs
MAE 3940 Internship 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
MHF 4404 History of Mathematics 3 hrs
MAE 4360 Mathematics Instructional Analysis 4 hrs

Senior Year - Spring 12 hrs
MAE 4941 Internship 12 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/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 Illasarie, 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 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 & Scientists II 4 hrs

Select 1:
1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
1 CHM Chemistry Fundamentals I or 4 hrs
2045C
2 CHM 2040 Chemistry Fundamentals IA or 3 hrs
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)
Required Courses: Basic 2 hrs
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.
EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)
Required Courses: Advanced 42 hrs
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 3500C Machine Design and Analysis 3 hrs
EGN 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 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 Techniques and 2 hrs

Approved Electives 9 hrs

Mechanical Systems Option
- EML 3104C Design of Thermofluid Experiment and 2 hrs
- EML 3262 Kinematics of Materials and 3 hrs
- EGM 3601L Solid Mechanics Lab and 2 hrs
- EML 4221C Mechanical Systems Experimental Techniques and 2 hrs

Approved Electives 12 hrs

Materials Option
- 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 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 restricted and technical electives and the terms 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.

Select 1:
- EML 4501C Engineering Design I or 3 hrs
- EGN 4412C Interdisciplinary Design I 3 hrs

Select 1:
- EML 4502C Engineering Design II or 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in 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
- 128

Honors in Major
- None

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.

EGM 3990 Mechanical Career and Academic Faculty 0 hrs Advising I

EML 4991 Mechanical Career and Academic Faculty 0 hrs Advising 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

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 15 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: 4 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHM 2040 Chemistry Fundamentals IA 3 hrs

1 Must take CHM 2041C to complete the sequence

Freshman Year - Spring 15 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- GEP 3 hrs

Freshman Year - Summer 10 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- GEP 3 hrs

Sophomore Year - Fall 13 hrs
- MAP 2302 Differential Equations 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Sophomore Year - Spring 12 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3601 Solid Mechanics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs

Sophomore Year - Summer 9 hrs
- EGN 3385 Structure and Properties of Materials 3 hrs
- GEP 3 hrs
- GEP 3 hrs
Junior Year - Fall
- EML 3500 Machine Design and Analysis 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- GEP 3 hrs
- EML 3990 Mechanical Career and Academic Faculty Advising 0 hrs

Junior Year - Spring
- EML 4220 Vibration Analysis 3 hrs
- EML 4142 Heat Transfer 3 hrs
- EML 4535C CAD/CAM 3 hrs
- Upper Division Elective 3 hrs

Senior Year - Fall
- EML 3262 Kinematics of Mechanisms 3 hrs
- EML 4312C Feedback Control 3 hrs
- Upper Division Elective 3 hrs
- EML 4221C Mechanical Systems Experimental Techniques 2 hrs
- EML 4991 Mechanical Career and Academic Faculty Advising 0 hrs

Select 1:
- EML 4501C Engineering Design I or 3 hrs
- EGN 4412C Interdisciplinary Design I 3 hrs

Energy Systems Option
Senior Year - Spring
- EML 4301 Thermodynamics of Mechanical Systems 3 hrs
- EML 4703 Fluid Mechanics II 3 hrs
- EML 4312C Feedback Control 3 hrs
- EML 4221C Mechanical Systems Experimental Techniques 2 hrs
- Upper Division Elective 3 hrs
- EML 4991 Mechanical Career and Academic Faculty Advising 0 hrs

Select 1:
- EML 4502C Engineering Design II or 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

Senior Year - Fall
- EML 3101 Thermodynamics and Kinetics of Materials 3 hrs
- EMA 4102 Design and Selection of Materials 3 hrs
- EML 4312C Feedback Control 3 hrs
- EML 4991 Mechanical Career and Academic Faculty Advising 0 hrs
- Upper Division elective 3 hrs

Select 1:
- EML 4501C Engineering Design I or 3 hrs
- EGN 4412C Interdisciplinary Design I 3 hrs

Senior Year - Spring
- EMA 3012C Experimental Techniques in Mechanics and Materials 3 hrs
- EMA 4223 Fundamentals of Mechanical Behavior of Materials 3 hrs
- Upper Division Elective 3 hrs

Select 1:
- EML 4502C Engineering Design II or 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Medical Laboratory Sciences (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Dr. P. E. Kolattukudy, Chair
Dorilyn Hitchcock, Program Director, hitchcod@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.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida 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 usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required STA 2023 Statistical Methods I 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs

   3. Social Foundations (6 hrs)
   E: Science Foundations (8 hrs)
   Required BSC 2010C Biology I 4 hrs
   Required CHM 2050C Chemistry Fundamentals I 4 hrs
2. Common Program Prerequisites (CPP) (25 hrs)
- See "Common Prerequisites in the Transfer and Transitions Services section for more information.
- BSC 2010C Biology I GEP
- STA 2023 Statistical Methods I GEP
- ZOO 3733C 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3703C Human Physiology 4 hrs

Take all of the following: 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Take all of the following: 8 hrs
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

1 See Transfer Notes

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (64 hrs)
- MLS 3220C Techniques in Clinical Microscopy 3 hrs
- MLS 4625 Advanced Clinical Chemistry I 3 hrs
- MLS 4630 Advanced Clinical Chemistry II 3 hrs
- PCB 3233 Immunology 3 hrs
- MLS 4430C Clinical Parasitology 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 4334 Hemostasis 3 hrs
- MLS 4625L Advanced Clinical Chem I Lab 1 hr
- PCB 3233L Immunology Laboratory 1 hr
- MLS 3305L Hematology Lab 1 hr
- MLS 4933C Human Physiology 4 hrs
- MLS 4830C Introductory & Practical Clinical Chemistry 4 hrs
- MLS 4831C Introductory & Practical Immunohematology 4 hrs
- MLS 4832C Introductory & 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) 8 hrs
- MCB 3020C General Microbiology 5 hrs
- may be substituted with: MCB 2010C

Plan of Study

Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ENC 1102 Composition II 3 hrs
- PHY 2054C General Physics I 4 hrs
- 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
- ELUH 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 2101 Introduction to Philosophy 3 hrs

Sophomore Year - Spring
- 17 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3703C Human Physiology 4 hrs
Select 1: 3 hrs
EUH 2001 Western Civilization II or 3 hrs
HUM 2230 Humanistic Tradition II or 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs

Junior Year - Fall
13 hrs
MLS 3220 Techniques in Clinical Microscopy 3 hrs
MLS 4625 Advanced Clinical Chemistry I 3 hrs
MLS 4625L Advanced Clinical Chem I Lab 1 hr
PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
MLS 4430C Clinical Parasitology 2 hrs

Junior Year - Spring
16 hrs
MLS 3305 Hematology 3 hrs
MLS 3305L Hematology Lab 1 hr
MLS 4630 Advanced Clinical Chemistry II 3 hrs
MLS 4460C Clinical Pathogenic Microbiology 5 hrs

Junior Year - Summer
7 hrs
MLS 4334 Hemostasis 3 hrs
MLS 4550 Clinical Immunohematology 4 hrs

Senior Year - Fall
16 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

Senior Year - Spring
13 hrs
MLS 4910 Introduction to Clinical Research 1 hr
MLS 4505C Immunodiagnostics 3 hrs
MLS 4933 Medical Technology Seminar 2 hrs
MLS 3705 Concepts in Education/Management 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

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

Equipment Fees
Part-Time Student: $39 per term
Full-Time Student: $78 per term

Modern Language Combination (B.A.)
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

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.

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:
3 hrs
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 3 hrs
1 FRE 3420 French Composition or 3 hrs
1 FRE 4422 Advanced French Composition or 3 hrs
1 GER 3420 Intensive German Composition 3 hrs

Oral Communication (Select One) 3 hrs
1 SPN 3760 Advanced Spanish Oral Communication or 3 hrs
1 FRE 3760 Advanced French Oral Communication or 3 hrs
1 FRE 4421 Advanced French Conversation or 3 hrs
1 GER 3760 Advanced German Oral Communication 3 hrs

Linguistics (Select One) 3 hrs
FRE 3780 French Phonetics and Diction or 3 hrs
FOL 3730 Romance Philology or 3 hrs
GER 3780 German Phonetics and Diction or 3 hrs
SPN 4801 Spanish Morphosyntax or 3 hrs
SPN 4800 Spanish-American Syntax or 3 hrs
SPN 4780 Spanish Phonetics 3 hrs

Literature (select one sequence)
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
or
FRW 3100 Survey of French Literature I and 3 hrs
FRW 3101 Survey of French Literature II 3 hrs
or
GEW 3101 Survey of German Literature I and 3 hrs
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, Spanish or Italian) 15 hrs

Communication (Select One) 3 hrs
SPN 3420 Spanish Composition or 3 hrs
FRE 3420 French Composition or 3 hrs
GER 3420 Intensive German Composition or 3 hrs
ITA 3420 Italian Composition 3 hrs

Advanced Oral Communication (select one) 3 hrs
SPN 3760 Advanced Spanish Oral Communication or 3 hrs
FRE 3760 Advanced French Oral Communication or 3 hrs
GER 3760 Advanced German Oral Communication or 3 hrs
ITA 3760 Advanced Italian Oral Communication 3 hrs
UCF Degree Programs

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
1 GEP 3 hrs
1 GEP 3 hrs
1 GEP 3 hrs
1 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
1 GEP 3 hrs
1 GEP 3 hrs
1 GEP 3 hrs
1 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 16 hrs
1 GEP 3 hrs
1 GEP 3 hrs
1 GEP 3 hrs
2 CPP 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
1 GEP 3 hrs
1 CPP 3 hrs
1 Restricted Elective 3 hrs
1 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
1 Core Course 3 hrs
1 Core Course 3 hrs
1 Core Course 3 hrs
1 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
1 Core Course 3 hrs
1 Core Course 3 hrs
2 Core Course 3 hrs
2 Restricted Elective 3 hrs
2 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
1 Core Course 3 hrs
1 Core Course 3 hrs
1 Core Course 3 hrs
1 Core Course 3 hrs
1 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
1 Core Course 3 hrs
1 Core Course 3 hrs
1 Core Course 3 hrs
1 Restricted Elective 3 hrs
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.
- The audition will serve as a placement examination for accepted candidates.

Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://www.music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department.
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor for course selections.
- Courses designated in 1 (General Education Program) are usually completed in the first 60 hours.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the full four years.
- Courses designated in 3 (Core Program Prerequisites) are usually completed in the last 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   - (see General Education Program for detailed information)
   - A: Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     - Required MUH 3212 Music History and Literature II 3 hrs
     - Select one course from 1.B.1 list 3 hrs
     - Select one course from 1.B.1 or 1.B.2 list 3 hrs
   - C: Mathematical Foundations (6 hrs)
     - 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) (28 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   - MUT 1121 Music Theory and Musicianship I 4 hrs
   - MUT 1122 Music Theory and Musicianship II 4 hrs
   - MUT 2126 Music Theory and Musicianship III 4 hrs
   - MUT 2127 Music Theory and Musicianship IV 4 hrs
   - MVK 1111 Class Piano I 1 hr
   - MVK 1112 Class Piano II 1 hr
   - MVK 2121 Class Piano III 1 hr
   - MVK 2122 Class Piano IV 1 hr
   - MUN XXXX Ensembles 4 hrs
   - MVX XXXX Performance 4 hrs

3. Core Requirements: Basic Level (6 hrs)
   - MUS 1010 Music Forum 0 hrs
   - MUL 2014 Introduction to Music History and Literature 3 hrs
   - MUS 2360C Introduction to Music Technology 3 hrs
   - 1 (4 semesters)

4. Core Requirements: Advanced Level (3 hrs)
   - MUH 3211 Music History and Literature I 3 hrs
   - MUH 3212 Music History and Literature II GEP

5. Restricted Electives-Music (33 hrs)
   - Restricted Electives-Music 15 hrs
     - Choose from any MUX XXXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)
     - Choose one MUT 3XXX or MUT 4XXX course 3 hrs
   - Restricted Electives-Non-Music 18 hrs
     - Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

6. Capstone Requirements
   - MUS 4900 Music BA Capstone Project 3 hrs

7. Foreign Language Requirements
   - Admissions
     - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - 120 credits can be taken as MUN courses.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of "C" (2.0) or better in each Music course.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Music Education
- Theatre
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- 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
- 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
- MUS 1010 Music Forum 1 hr
- MUX 2360C Introduction to Music Technology 3 hrs
- MUN XXXX Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- GEP E.1. Science Foundation 3 hrs

Freshman Year - Spring 14 hrs
- ENC 1102 Composition II 3 hrs
- MUS 1010 Music Forum 1 hr
- MUS 2360C Introduction to Music Technology 3 hrs
- MUN XXXX Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Sophomore Year - Fall 16 hrs
- MUS 1121 Music Theory and Musicianship I 4 hrs
- MUS 1010 Music Forum 1 hr
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUS 1121 Music Theory and Musicianship I 4 hrs
- MUS 1122 Music Forum 0 hrs
- MVX 141X Performance I 2 hrs

Sophomore Year - Spring 16 hrs
- MUS 1121 Music Theory and Musicianship I 4 hrs
- MUS 1122 Music Forum 1 hr
- MUS 2360C Introduction to Music Technology 3 hrs
- MUS 1121 Music Theory and Musicianship I 4 hrs
- MUS 1122 Music Forum 0 hrs
- MVX 141X Performance I 2 hrs

Junior Year - Fall 15 hrs
- MUH 3211 Music History and Literature I 3 hrs
- GEP B.2. Cultural & Historical Foundation 3 hrs
- MUX 2360C Introduction to Music Technology 3 hrs
- XXX 1121 Foreign Language 4 hrs

Junior Year - Spring 15 hrs
- MUH 3212 Music History and Literature II 3 hrs
- MUX 2360C Introduction to Music Technology 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
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Spring 12 hrs
- MUS 4900 Music BA Capstone Project 3 hrs
- GEP D.2. Social Foundation 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Jazz Studies Track (B.M.)

College of Arts and Humanities
Department of Music, 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
  - Class Piano III
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0
- This review is a pre-requisite for Performance level III.

Degree Requirements
- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

1. UCF General Education Program (GEP) (36 hrs)
   - (See General Education program for detailed information)

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

Take all of the following:
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MUL 2127 Music Theory and Musicianship IV 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)
- 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 Musicianship I 4 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
Jazz Guitar 15 hrs

1. MUS 3713 Jazz Lab 1 hr
MVK 1111 Class Piano I 1 hr
MVK 1112 Class Piano II 1 hr
MVK 2121 Class Piano III 1 hr
MVK 2122 Class Piano IV 1 hr

1. Four semesters for total 4 hrs

3. Core Requirements: Basic Level (6 hrs)
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 2360C Introduction to Music Technology 3 hrs
1. MUS 1010 Music Forum 0 hrs
MUL 2016 Evolution of Jazz GEP

1. Eight semesters

4. Core Requirements: Advanced Level (27 hrs)
MUT 3170 Jazz Theory I 3 hrs
MUT 3171 Jazz Theory II 3 hrs
1. MUT 3923 Jazz Workshop 3 hrs
MUS 4320 Music Business and Industry 3 hrs
MUH 4814 Jazz Styles and Analysis 3 hrs
MUS 4894 Recital Performance II 0 hrs

Select 1:
MUH 3211 Music History and Literature I or 3 hrs
MUH 3212 Music History and Literature II 3 hrs

1. Four semesters for total 12 hrs

Specialty Requirements (Choose one): 27 hrs
- All courses are taken for two semesters each except restricted elective courses

Trumpet 15 hrs
MV/ 1411 Trumpet I and 2 hrs
MV/ 2421 Trumpet II and 2 hrs
MV/ 3431 Trumpet III and 2 hrs
MV/ 4441 Trumpet IV and 4 hrs
Restricted Electives 5 hrs

Trombone 15 hrs
MV/ 1413 Trombone I and 2 hrs
MV/ 2423 Trombone II and 2 hrs
MV/ 3433 Trombone III and 2 hrs
MV/ 4443 Trombone IV and 4 hrs
Restricted Electives 5 hrs

Saxophone 15 hrs
MV/ 3415 Saxophone I and 2 hrs
MV/ 4425 Saxophone II and 2 hrs
MV/ 4435 Saxophone III and 2 hrs
MV/ 4445 Saxophone IV and 4 hrs
Restricted Electives 5 hrs

Jazz Piano 15 hrs
MVJ 1010 Jazz Piano I and 2 hrs
MVJ 2220 Jazz Piano II and 2 hrs
MVJ 3230 Jazz Piano III and 3 hrs
MVJ 4240 Jazz Piano IV and 4 hrs
MVK 1211 Secondary Piano and 1 hr
Restricted Electives 3 hrs

Jazz Bass 15 hrs
MVJ 1214 Jazz Bass I and 2 hrs
MVJ 2224 Jazz Bass II and 2 hrs
MVJ 3234 Jazz Bass III and 3 hrs
MVJ 4244 Jazz Bass IV and 4 hrs
MVS 1214 Secondary Bass and 1 hr
Restricted Electives 3 hrs

Jazz Guitar 15 hrs
MVJ 1213 Jazz Guitar I and 2 hrs
MVJ 2223 Jazz Guitar II and 2 hrs
MVJ 3233 Jazz Guitar III and 3 hrs
MVJ 4243 Jazz Guitar IV and 4 hrs
MVS 1216 Secondary Guitar and 1 hr
Restricted Electives 3 hrs

Jazz Drum Set 15 hrs
MVJ 1219 Jazz Drum Set I and 2 hrs
MVJ 2229 Jazz Drum Set II and 2 hrs
MVJ 3333 Jazz Drum Set III and 3 hrs
MVJ 4349 Jazz Drum Set IV and 4 hrs
MVP 1211 Secondary Percussion and 1 hr
Restricted Electives 3 hrs

5. Restricted Electives
- Any secondary performance course not in area of major instrument
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course
- Computer Competency met by the following course, or departmental examination:
  MUS 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in 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
- 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 14 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MUN 3713 Jazz Lab 1 hr
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MVX 141X Performance I 2 hrs

Freshman Year - Spring 17 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
### UCF Degree Programs

#### Freshman Year - Spring
- 17 hrs
- SPC 1000: Introduction to Academic Success (3 hrs)
- ENC 1101: Composition I (3 hrs)
- MUS 1010: Music Theory and Musicianship I (4 hrs)
- MUN 3713: Jazz Lab (1 hr)
- MUL 2016: Evolution of Jazz (2 hrs)
- Science Foundation (3 hrs)

#### Freshman Year - Fall
- 15 hrs
- ENC 1101: Composition I (3 hrs)
- MUS 1010: Music Theory and Musicianship I (4 hrs)
- MUN 3713: Jazz Lab (1 hr)
- MUL 2016: Evolution of Jazz (2 hrs)
- Science Foundation (3 hrs)

### Junior Year - Spring
- 13 hrs
- STA 1060C: Basic Statistics Using Microsoft Excel (3 hrs)
- MUL 2016: Evolution of Jazz (3 hrs)
- MUS 1010: Music Forum (0 hrs)
- MUS 3955: Recital Performance I (3 hrs)
- MUS 4XXX Restricted Elective (3 hrs)
- MUS 1010: Music Forum (0 hrs)

### Junior Year - Fall
- 13 hrs
- STA 1060C: Basic Statistics Using Microsoft Excel (3 hrs)
- MUL 2016: Evolution of Jazz (3 hrs)
- MUS 1010: Music Forum (0 hrs)
- MUS 3955: Recital Performance I (3 hrs)
- MUS 4XXX Restricted Elective (3 hrs)
- Science Foundation (3 hrs)

### Senior Year - Spring
- 13 hrs
- MUS 1010: Music Forum (0 hrs)
- MUL 2016: Evolution of Jazz (3 hrs)
- MUS 4320: Music Business and Industry (3 hrs)
- MUS 4954: Recital Performance I (3 hrs)
- MUS 4XXX Restricted Elective (3 hrs)
- GEP D.2 Social Foundation (3 hrs)

### Senior Year - Fall
- 16 hrs
- MUS 1010: Music Forum (0 hrs)
- MUL 2016: Evolution of Jazz (3 hrs)
- MUS 4320: Music Business and Industry (3 hrs)
- MUS 4954: Recital Performance I (3 hrs)
- MUS 4XXX Restricted Elective (3 hrs)
- GEP D.2 Social Foundation (3 hrs)

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes)
  - Full-Time Student: $45 per term
  - Part-Time Student: $25 per term

### Equipment Fees
- Full-Time Student: $90 per term

### Music - Music Composition 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
K. 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
- Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:
  - Approval of composition portfolio
  - Completion of Composition I and II
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of 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
     - 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.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
     - 1 (may substitute a higher level math)
     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.
     MUP 1121 Music Theory and Musicianship I 4 hrs
     MUP 1122 Music Theory and Musicianship II 4 hrs
     MUP 2126 Music Theory and Musicianship III 4 hrs
     MUP 2127 Music Theory and Musicianship IV 4 hrs
     MVK 1111 Class Piano I 1 hr
     MVK 1122 Class Piano II 1 hr
     MVK 2112 Class Piano III 1 hr
     MVK 2122 Class Piano IV 1 hr
     MUP XXXX Major Ensemble (four semesters) Piano students take MUP 3435; guitar students take MUP 3483
     MVX 141X Performance I (two semesters) 4 hrs
     MVX 240X 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
     MUP 1101C Composition I 2 hrs
     MUP 2104C Composition II 2 hrs
     MUS 1010 Music Forum 0 hrs
     MUG 3104 Basic Conducting 2 hrs
     MUH 3211 Music History and Literature I 3 hrs
     MUH 3212 Music History and Literature II GEP
     MUP 4571 Analysis of Twentieth-Century Music 3 hrs
     MUP XXXX Major Ensembles (Piano students take MUP 3435; guitar students take MUP 3483)
     MUC 3105C Composition III 3 hrs
     MUC 4106C Composition IV 4 hrs
     MUP 4401 Counterpoint 3 hrs
     MUP 4311 Orchestration 3 hrs
     MUC 4950 Composition Recital 0 hrs
     One course selected from MUC/MUH/MUS/MUT, 3000 level or above
     1 Two semesters for total 6 hrs
     2 Two semesters for total 8 hrs
  5. Restricted Electives (9 hrs)
     - Any secondary performance course not in area of major instrument, or
     - Any MUC, MUE, MUG, MUH, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.
  6. Capstone Requirements
     - None
  7. Foreign Language Requirements
  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 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
     - 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
- ENC 1101 Composition I 3 hrs
- MUT 4106 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUNE XXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Freshman Year - Spring
- ENC 1102 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUNE XXX Major Ensemble 1 hr
- MVX 141X Performance I 1 hr

Sophomore Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 1101 Fundamentals of Orchestration 2 hrs
- MUX XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs

Sophomore Year - Spring
- ENC 1102 Music Theory and Musicianship II 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1101 Fundamentals of Orchestration 2 hrs
- MUX XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs

Junior Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1010 Music Forum 0 hrs
- MUX XXXX Major Ensemble 1 hr

Junior Year - Spring
- ENC 1101 Composition I 3 hrs
- MUT 1010 Music Forum 0 hrs
- MUX XXXX Major Ensemble 1 hr

Senior Year - Fall
- ENC 1101 Composition I 4 hrs
- MUT 1010 Music Forum 0 hrs
- MUX XXXX Restricted Electives 3 hrs

Senior Year - Spring
- ENC 1101 Composition I 3 hrs
- MUT 1010 Music Forum 0 hrs
- MUX XXXX 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/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Music Performance Track (B.M.)

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.

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
   - Preference
   - ENC 1101 Composition I and II (9 hrs)

   B: Communication
   - SPC 1608 Fundamentals of Oral Communication 3 hrs

   Take all of the following:
   - ENC 1101 Composition I and II 3 hrs
   - ENC 1102 Composition II 3 hrs

   (6 hrs)

   MUX 3/4XXX Restricted Electives 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
- Prefer: STA 1000C Basic Statistics Using Microsoft Excel 3 hrs
- (May substitute a higher level math)

D: Social Foundations (6 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 4 hrs
- MVX 141X Performance I (2 semesters) 4 hrs
- MVX 242X Performance II (2 semesters) 4 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 4 hrs
- MVX 141X Performance I (2 semesters) 4 hrs
- MVX 242X Performance II (2 semesters) 4 hrs

F: Science Foundations (6 hrs)
- 3. Core Requirements: Basic Level (6 hrs)
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- 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 3211 Music History and Literature I 3 hrs
- MUGH 3212 Music History and Literature II 3 hrs
- MVX 343X Performance I (1 semester) 2 hrs
- MVX 443X Performance II (2 Semesters) 4 hrs
- MUN XXXX Major Ensemble (eight semesters) Piano students take MUN 3453; guitar students take MUN 3484 4 hrs
- MVX 141X Performance I (2 semesters) 4 hrs
- MVX 242X Performance II (2 semesters) 4 hrs

5. Specialty Requirements (Choose One:)
- Piano 22 hrs
  - MUL 3400 Piano Literature I and 2 hrs
  - MUS 3401 Piano Literature II and 2 hrs
  - MVK 4640 Piano Pedagogy I and 2 hrs
  - MUN 3453 Piano Ensemble and 1 hr
  - MUN XXXX Major Ensemble and 1 hr
  - Restricted Electives and 9 hrs
  - Electives 5 hrs
- Guitar 22 hrs
  - MUL 4437 String Literature and Pedagogy and 3 hrs
  - MUN 3487 Guitar Ensemble and 1 hr
  - MUN XXXX Major Ensemble and 1 hr
  - Restricted Electives and 12 hrs
  - Electives 5 hrs

6. Voice 22 hrs
- MUS 1250 IPA for Singers and 1 hr
- MUS 3255 German and English Lyric Diction and 2 hrs
- MUS 3254 Italian and French Lyric Diction and 2 hrs
- MVH 4602 Voice Pedagogy and 2 hrs
- MUL 3602 Song Literature and 3 hrs
- MUN XXXX Major Ensembles and 2 hrs
- MUN XXXX Minor Ensembles and 2 hrs
- Foreign Language (French, German, or Italian) 8 hrs

7. Woodwinds 22 hrs
- MUL 4444 Woodwind Literature and Pedagogy and 3 hrs
- MUN XXXX Major Ensembles and 2 hrs
- MUN XXXX Minor Ensembles and 4 hrs
- Restricted Electives and 8 hrs
- Electives 5 hrs

8. Brass 22 hrs
- MUL 4443 Brass Literature and Pedagogy and 3 hrs
- MUN XXXX Major Ensembles and 2 hrs

9. Percussion 22 hrs
- MUL 3463 Percussion Literature and 2 hrs
- MVP 3630 Percussion Pedagogy and 2 hrs
- MUN XXXX Major Ensembles and 2 hrs
- MUN XXXX Minor Ensembles and 4 hrs
- Restricted Electives and 7 hrs
- Electives 5 hrs

10. Strings 22 hrs
- MUL 4437 String Literature and Pedagogy and 3 hrs
- MUN XXXX Major Ensembles and 2 hrs
- MUN XXXX Minor Ensembles and 4 hrs
- Restricted Electives and 8 hrs
- Electives 5 hrs

11. Electives 5 hrs
- Select primarily from upper level courses. May be outside of the department.

12. 9. Additional Requirements
- Select one course from 1.B.2 list 3 hrs

13. 8. Electives
- Select primarily from upper level courses. May be outside of the department.

14. 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.

15. 6. Capstone Requirements
- None

16. 5. Restricted Electives
- 0-15 hrs
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

17. 4. Core Programs
- Majors include: Brass, Percussion, Piano, Madrigal Singers, Women's Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

18. 3. General Education Requirements
- 1. MUN 3453 Piano Ensemble and 1 hr

19. 2. Higher Level General Education Requirements
- MUN XXXX Major Ensemble Participation
- MUN XXXX Minor Ensemble Participation
- Minor Ensemble Participation
- None

20. 1. University Minimum Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course.
- Computer Competency met by the following course, or departmental examination:
  - MUS 2360C Introduction to Music Technology 3 hrs

21. 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)

22. Total Semester Hours Required
- 120

23. 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

### Freshman Year - Fall
- 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 Major Ensemble: 1 hr
- MVX 141X Performance I: 2 hrs

### Freshman Year - Spring
- 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 Major Ensemble: 1 hr
- MVX 141X Performance I: 2 hrs
- Science Foundation: 3 hrs

### Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication: 3 hrs
- MUT 2126 Music Theory and Musicanship III: 4 hrs
- MVK 2121 Class Piano III: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUG 3104 Basic Conducting: 2 hrs
- STA 1060C Basic Statistics Using Microsoft Excel: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
- MUN XXXX Minor Ensemble: 1 hr
- MVX 242X Performance II: 2 hrs

### Sophomore Year - Spring
- MUT 2127 Music Theory and Musicanship IV: 4 hrs
- MVK 2122 Class Piano IV: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MGF 1106 Finite Mathematics: 3 hrs
- Cultural & Historical Foundation: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
- MUN XXXX Minor Ensemble: 1 hr
- MVX 242X Performance II: 2 hrs
- Professional Sequence Entrance Interview

### Junior Year - Fall
- MUH 3211 Music History and Literature I: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MVK 343X Performance III: 3 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
- MUN XXXX Minor Ensemble: 1 hr

### Junior Year - Spring
- MUH 3212 Music History and Literature II: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 3953 Recital Performance I: 0 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs
- MUL 44XX Literature and Pedagogy: 3 hrs
- MVX 343X Performance III: 3 hrs

### Senior Year - Fall
- MUS 4954 Recital Performance II: 0 hrs
- MUS 4571 Analysis of Twentieth-Century Music: 3 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
- MUN XXXX Minor Ensemble: 1 hr
- Professional Sequence Entrance Review

### Senior Year - Spring
- MUS 1010 Music Forum: 0 hrs
- MUS 4954 Recital Performance II: 0 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
- MUN XXXX Minor Ensemble: 1 hr

### Program B: Percussion

### Freshman Year - Fall
- 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
- MVP 1411 Percussion I: 2 hrs
- MUN XXXX Major Ensemble: 1 hr

### Freshman Year - Spring
- 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
- MVP 1411 Percussion I: 2 hrs
- MUN XXXX Major Ensemble: 1 hr
- Science Foundation: 3 hrs

### Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication: 3 hrs
- MUT 2126 Music Theory and Musicanship III: 4 hrs
- MUN 3443 Percussion Ensemble: 1 hr
- MVP 2421 Percussion II: 2 hrs
- MUS 1010 Music Forum: 0 hrs
- MUG 3104 Basic Conducting: 2 hrs
- STA 1060C Basic Statistics Using Microsoft Excel: 3 hrs
- MVK 2121 Class Piano III: 1 hr
- MUN XXXX Major Ensemble: 1 hr

### Sophomore Year - Spring
- MUS 2127 Music Theory and Musicanship IV: 4 hrs
- MUN 3443 Percussion Ensemble: 1 hr
- MVP 2421 Percussion II: 2 hrs
- MVK 2122 Class Piano IV: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MGF 1106 Finite Mathematics: 3 hrs
- Cultural & Historical Foundation: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
- Professional Sequence Entrance Review

### Junior Year - Fall
- MUH 3211 Music History and Literature I: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MVK 343X Performance III: 3 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
- MUN XXXX Minor Ensemble: 1 hr
- MUN XXXX Major Ensemble: 1 hr

### Junior Year - Spring
- MUH 3212 Music History and Literature II: 3 hrs
- MUL 3463 Percussion Literature: 2 hrs
- MVP 3431 Percussion III: 2 hrs
- MUS 1010 Music Forum: 0 hrs
- MUN 3443 Percussion Ensemble: 1 hr
- MUS 3953 Recital Performance I: 0 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
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UCF Degree Programs

Program E: Voice

### Freshman Year - Fall
- ENC 1101 Composition I 4 hrs
- MUT 1121 Music Theory and Musicianship I 1 hr
- MUS 1250 IPA for Singers 1 hr
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVV 1411 Voice I 2 hrs
- MUN XXXX Major Ensemble 1 hr

### Sophomore Year - Fall
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUS 3255 German and English Lyric Diction 2 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2390C Introduction to Music Technology 3 hrs
- MVV 1411 Voice I 2 hrs
- MUN XXXX Major Ensemble 1 hr

### Junior Year - Fall
- MUF 1010 Music Forum 0 hrs
- MUS 2421 Voice II 2 hrs
- MUN XXXX Major Ensemble 1 hr

### Senior Year - Fall
- ENC 1103 Composition III 3 hrs
- MUT 1123 Music Theory and Musicianship III 4 hrs
- MUS 3254 Italian and French Lyric Diction 2 hrs
- MVK 1113 Class Piano III 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2390C Introduction to Music Technology 3 hrs
- MVV 1411 Voice I 2 hrs
- MUN XXXX Major Ensemble 1 hr

### Freshman Year - Spring
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUS 1250 IPA for Singers 1 hr
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVV 1411 Voice I 2 hrs
- MUN XXXX Major Ensemble 1 hr

### Sophomore Year - Spring
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUS 3255 German and English Lyric Diction 2 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2390C Introduction to Music Technology 3 hrs
- MVV 1411 Voice I 2 hrs
- MUN XXXX Major Ensemble 1 hr

### Junior Year - Spring
- MUF 1010 Music Forum 0 hrs
- MUS 2421 Voice II 2 hrs
- MUN XXXX Major Ensemble 1 hr

### Senior Year - Spring
- ENC 1103 Composition III 3 hrs
- MUT 1123 Music Theory and Musicianship III 4 hrs
- MUS 3254 Italian and French Lyric Diction 2 hrs
- MVK 1113 Class Piano III 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2390C Introduction to Music Technology 3 hrs
- MVV 1411 Voice I 2 hrs
- MUN XXXX Major Ensemble 1 hr

### 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.

### Admission Requirements - Professional Program

**Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program.**

**Deadline:** February 15 for Fall semester admission and September 15 for Spring semester admission.

Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:

- Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, first semester of Performance II.
- Have a minimum overall GPA of 2.5 and a grade of "C" (2.0) or better in each performance, education, and music education course.
- Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.
- Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).

**To be accepted into the Music Education Professional Program students must:**

- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).
- Complete MVK 2122, MUT 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
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:
   - 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
   - Required AMH 2010 U.S. History: 1492-1877
   - Required AMH 2020 U.S. History: 1877-Present

C: Mathematical Foundations
   - Prefer MGF 1106 Finite Mathematics
   - Prefer STA 100C1 Basic Statistics Using Microsoft Excel

   (may substitute a higher level math)

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

2. Common Program Prerequisites (CPP) (38 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

   EDF 2005 Introduction to the Teaching Profession 3 hrs
   EME 2040 Introduction to Technology for Educators 3 hrs
   EDF 2085 Introduction to Diversity for Educators 3 hrs
   MUT 1121 Music Theory and Musicianship I 4 hrs
   MUT 1122 Music Theory and Musicianship II 4 hrs
   MUT 2126 Music Theory and Musicianship III 4 hrs
   MUT 2127 Music Theory and Musicianship IV 4 hrs
   MVK 2122 Class Piano IV 1 hr
   MVX 242X Performance II (2 semesters) 4 hrs
   MVX 241X Performance I (2 semesters) 4 hrs
   MVX 242X Performance II (2 semesters) 4 hrs

   4 semesters

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
   - MUT 2127 Music Theory and Musicianship IV CPP
   - MVK 2122 Class Piano IV CPP
   - MVX 241X Performance I (2 semesters) CPP
   - MVX 242X Performance II (2 semesters) CPP

   4 semesters

Music Education Prerequisites - Basic
   - MUL 2014 Introduction to Music History and Literature 3 hrs
   - MUN XXXX Major Ensembles (2 semesters) 2 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 GEP
   - MUE 3942 Music Internship I 3 hrs

Music Education Prerequisites - Advanced
   - MUG 3104 Basic Conducting and
   - MUH 3211 Music History and Literature I and
   - MUH 3212 Music History and Literature II and
   - ESE 3940 Internship I - Secondary and
   - MUE 3431 Elementary School Music Methods and
   - MUE 3533 Music Learning Theory and Assessment and
   - MVX 343X Performance III (2 Semesters) 4 hrs

Education Core
   - EDS 4410 Teaching Strategies and Classroom Management and
   - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools and

   12 hrs

ESE 3940 Music Internship I 3 hrs

EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools and
RED 4043 Content Reading in Kindergarten through Grade 12

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:
   - MUE 4335 Secondary Choral Methods II or 3 hrs
   - MUE 4441 String Methods 3 hrs

Select 5:
   - 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

Select 5:
   - MUE 2440 String Techniques or 1 hr
   - MUE 2450 Woodwind Techniques I or 1 hr
   - MUE 2460 Brass Techniques or 1 hr
   - MUE 2470 Percussion Techniques or 1 hr
   - MUE 2471 Percussion Techniques II or 1 hr
   - MUE 2451 Woodwind Techniques II or 1 hr
   - MUE 2461 Brass Techniques II 1 hr

Program B - Choral
   - MUS 1250 IPA for Singers 1 hr
   - MUG 3202 Choral Conducting and Materials 1 hr
   - MVV 2640 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:
   - 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 3533 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:
   - 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
   - Admissions
     - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation

None

8. Electives

None

9. Additional Requirements

Admission to Internship I will be granted to students who meet the following requirements:

- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a "C" or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), Seminar in Music Teaching (MUE 4394) and Internship II (ESE 4943).
- Possess minimum professional preparation GPA of 2.5.
- Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Admission to Internship II will be granted to students who meet the following requirements:

- Completion of all admission requirements for Internship I (see above).
- Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
- Completion of all music methods and techniques courses.
- Completion of all General Education and Common Program courses.
- Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements

- Note: Contact the Music Education Advisor for details.
- Students should register to take the General Knowledge Test of the Florida 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 enrolled 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 from 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.
NOTE: Education majors are required to take six hours (in addition to EDF 2085) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Take General Knowledge Test after spring semester of Freshman Year.
- Apply for Professional Program after spring semester of Sophomore year.
- Take PET and Music Examination of FTCE after fall semester of Senior year.
- As indicated in the Plan of Study, all 3 remaining GEP classes will be taken during the summer semester of the Senior year.

Program A - Instrumental Program K-12:

Freshman Year - Fall 17 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUT 1121 Music Theory and Musicanship I 4 hrs
- MVK 1111 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
- CMENC/Schools
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring 16 hrs
- Take General Knowledge Test
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVK 2121 Class Piano III 1 hr
- MUE 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- GEP 3 hrs
- GEP 3 hrs
- MVX 141X Intro to Music Literature 3 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Sophomore Year - Fall 15 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- GEP 3 hrs
- GEP 3 hrs
- MUE XXXX Techniques 1 hr
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Sophomore Year - Spring 16 hrs
- Apply for Professional Program
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MUH 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUE 3211 Music History and Literature II 3 hrs
- MUE 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Junior Year - Fall 15 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUE 4332 Secondary Instrumental Methods I 3 hrs
- EDG 4333 Professional Teaching Practices 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUE XXXX Techniques 1 hr
- MVX 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Junior Year - Spring 17 hrs
- MUG 3302 Instrumental Conducting and Materials 1 hr
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- Select 1: 3 hrs
- MUE 4335 Secondary Choral Methods II or
- MUE 4441 String Methods
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- Students in Schools
- MUE 4311 Elementary School Music Methods 2 hrs
- GEP 3 hrs
- CMENC
- CMENC

Senior Year - Fall 14 hrs
- Take PET and Music Examination of FTCE
- ESE 3940 Internship I - Secondary 3 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- Students in Schools
- MUE 4311 Elementary School Music Methods 2 hrs
- GEP 3 hrs
- CMENC
- CMENC

Senior Year - Spring 15 hrs
- Apply for Professional Program
- ESE 4943 Internship II - Secondary 7 hrs
- MUE 4394 Seminar in Music Teaching 1 hr
- GEP 3 hrs
- CMENC
- CMENC

Program B - Choral Program K-12

Freshman Year - Fall 17 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUT 1121 Music Theory and Musicanship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1250 IPA for Singers 1 hr
- MUS 1010 Music Forum 0 hrs
- GEP 3 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
- 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
- GEP 3 hrs
- MUE XXXX Techniques 1 hr
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Sophomore Year - Fall 17 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MVK 1111 Class Piano II 1 hr
- MUS 1250 IPA for Singers 1 hr
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Sophomore Year - Spring 15 hrs
- Apply for Professional Program
- MUS 1010 Music Forum 0 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- MUE 3211 Music History and Literature I 3 hrs
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Senior Year - Fall
- MUS 1010 Music Forum 0 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- Students in Schools
- MUE 4311 Elementary School Music Methods 2 hrs
- GEP 3 hrs
- CMENC
- CMENC

Sophomore Year - Spring
- Apply for Professional Program
- MUS 1010 Music Forum 0 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MVK 2121 Class Piano IV 1 hr
- MUH 3212 Music History and Literature II 3 hrs
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Senior Year - Spring
UCF Degree Programs

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
MUS 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 396OC Introduction to Music Technology 3 hrs
MUE XXXX Techniques 1 hr
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
GE 3 hrs
CMENC

Senior Year - Spring 15 hrs
ESE 4943 Internship II - Secondary 7 hrs
MUE 4943 Music Internship II 12 hrs
GE 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
GE 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 II 4 hrs
MVK 2121 Class Piano III 1 hr
MUH 3211 Music History and Literature I 3 hrs
GE 3 hrs
MUE XXXX Techniques 2 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 4311 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
GE 3 hrs
CMENC/Schools

Junior Year - Spring 16 hrs
MUS 1010 Music Forum 0 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MVK 1111 Class Piano I 1 hr
MUE 3333 Music Learning Theory and Assessment 3 hrs
MUE XXXX Techniques 2 hrs
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
GE 3 hrs
CMENC/Schools

Senior Year - Fall 15 hrs
- Take PET and Music Examination of FTCE
ESE 3940 Internship I - Secondary 3 hrs
MUE 3333 Music Learning Theory and Assessment 3 hrs
MUE XXXX Techniques 2 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
GE 3 hrs
CMENC

Senior Year - Spring 15 hrs
ESE 4943 Internship II - Secondary 7 hrs
MUE 4943 Music Internship II 12 hrs
GE 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.oas.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: ucnurse@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 classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with a basic faculty advisor. Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program.
- Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
- Application for admission to the University must also be submitted by the program Application deadline.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0.
- 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
- 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
  - or other approved Physical or Life Science

Group B
- A minimum of three courses, with a 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
- 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)
1. Economics/Political Science
- Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
- Prefer ECO 2023 Principles of Microeconomics or 3 hrs
- Prefer POS 2041 American National Government 3 hrs

2. Social Sciences
- 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 Professors 4 hrs
ZOO 3733C Human Anatomy 4 hrs
PCB 3703C Human Physiology 4 hrs
HUN 3011 Human Nutrition 3 hrs
CHM 1032 General Chemistry GEP

Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I GEP

Select 1:
- 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 3275L** 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 3163** 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

**Nursing Electives**
- (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

### 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

- 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 or approved Physical or Life Science course.
  - DEP 2004: May substitute any Human Growth & Development across Life Span
  - HUN 3011: May substitute any Human Nutrition course
  - MCB 2004C: May substitute any Microbiology course which has a lab.
  - PCB 3703C: May take Anatomy and Physiology sequence (AP I & II).
  - PSY 2012: May substitute any General Psychology course.
  - STA 2014C: May substitute STA2023 or equivalent.
  - SYG 2000: May substitute any Introductory Sociology course.
  - ZOO 3733C: May take Anatomy and Physiology sequence (AP I & II).

### Plan of Study

**Freshman Year - Fall**
- SYG 2000 Introduction to Sociology
  - 3 hrs
- MAC 1105C College Algebra
  - 3 hrs
- BSC 2010C Biology I
  - 4 hrs
- 1 GEP
  - 3 hrs

1. General Education or SLS 1501

**Freshman Year - Spring**
- SYG 2000 Introduction to Sociology
  - 3 hrs
- MAC 1105C College Algebra
  - 3 hrs
- BSC 2010C Biology I
  - 4 hrs
- 1 STA 2023 Statistical Methods I or 1 GEP
  - 3 hrs
- 2 MCB 2004C Microbiology for Health Professionals
  - 3 hrs

2. General Education Course

**Freshman Year - Summer**
- MCB 2004C Microbiology for Health Professionals
  - 4 hrs

**Sophomore Year - Fall**
- ZOO 3733C Human Anatomy
  - 4 hrs
- 1 GEP
  - 3 hrs
- 1 GEP
  - 3 hrs

**Sophomore Year - Spring**
- PCB 3703C Human Physiology
  - 4 hrs
- 1 GEP
  - 3 hrs
- 1 GEP
  - 3 hrs
- HUN 3011 Human Nutrition
  - 3 hrs

**Junior Year - Fall**
- NUR 3825 The Role of the Professional Nurse
  - 2 hrs
- NUR 3065 Health Assessment
  - 2 hrs
- NUR 3065L Health Assessment Lab
  - 1 hr
- NUR 3028 Essentials of Nursing Practice
  - 2 hrs
- NUR 3755L Essentials of Nursing Practice Clinical
  - 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab
  - 1 hr
- NUR 3634 Community Health Nursing
  - 3 hrs
- NUR 3634L Community Health Nursing Clinical
  - 2 hrs
Junior Year - Spring 16 hrs
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3145 Pharmacology for Nursing Practice 3 hrs
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs

Junior Year - Summer 6 hrs
NUR 3165 Nursing Research 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR XXXX Nursing Elective 3 hrs

Senior Year - Fall 12 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs
NUR XXXX Nursing Elective if needed 3 hrs

Senior Year - Spring 13 hrs
NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 4945L Nursing Practicum 4 hrs
NUR 4637 Public Health Nursing 2 hrs
NUR 4637L Public Health Nursing Clinical 1 hr
NUR 4828 Leadership, Management and Role Transition 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.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 apply 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 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)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)

Select 1:
- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

Select 1:
- Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
- Prefer ECO 2013 Principles of Microeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (7 hrs)
- Required BSC 2010C Biology I or CHM 1032 General Chemistry 4 hrs
- Required CHM 1032L General Chemistry Laboratory 1 hr
- Suggested PCB 2032 General Chemistry Laboratory 4 hrs

Select 1:
- STA 2023 Statistical Methods I or STA 2014C Principles of Statistics 3 hrs

Select 1:
- SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology 3 hrs

Select 1:
- PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs
UCF Degree Programs

1. Or other Physical or Life ScienceAlso 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.
4. 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)
   Core UCF Requirements 25 hrs
   - NUR 3086 Professional Socialization Seminar 1 hr
   - NUR 3065 Health Assessment 2 hrs
   - NUR 3065L Health Assessment Lab 1 hr
   - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
   - NUR 3165 Nursing Research 3 hrs
   - NUR 3634 Community Health Nursing 3 hrs
   - NUR 4037 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 4804L 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 3225L Nursing Care of the Adult I Clinical Practice 3 hrs
   - NUR 3445 Nursing Care of Families 3 hrs
   - NUR 4455L Nursing Care of Families Clinical 2 hrs
   - NUR 4227L Nursing Care of the Adult II Clinical Practice 4 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.
   • 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.oias.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
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 Residency Requirement: 30 hours.

The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

Select 1:
   Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
   Required MAC 1105C College Algebra 3 hrs

Select 1:
   Required SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
   Required CHM 1032 General Chemistry 3 hrs

Select 1:
   Suggested ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
   Suggested POS 2041 American National Government 3 hrs

Note: One of these courses is required to meet General Education requirements.

2. Common Program Prerequisites (CPP) (18 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1:
   Required BSC 2010C Biology I 4 hrs
   Required CHM 1032 General Chemistry 3 hrs

Select 1:
   Required SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
   Required CHM 1032 General Chemistry 3 hrs

Select 1:
   Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
   Required MAC 1105C College Algebra 3 hrs

Select 1:
   Required SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
   Required CHM 1032 General Chemistry 3 hrs

Select 1:
   Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
   Required MAC 1105C College Algebra 3 hrs

Select 1:
   Required SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
   Required CHM 1032 General Chemistry 3 hrs

Select 1:
   Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
   Required MAC 1105C College Algebra 3 hrs

Note: One of these courses is required to meet General Education requirements.

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 3065 Health Assessment 2 hrs
   NUR 3065L Health Assessment Lab 1 hr
   NUR 3165 Nursing Research 3 hrs
   NUR 3634 Community Health Nursing 3 hrs
   NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
   NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
   NUR 4637 Public Health Nursing 2 hrs

Upper Division Credit
   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 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 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

Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.

Graduation
   None

8. Electives
   variable to meet degree requirements

9. Additional Requirements
   A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.
   Complete all courses in major with at least a “C” (2.0).
   Maintain a UCF GPA of 2.5 or above.
   Maintain a College of Nursing GPA of 2.5 or above.

Progression Requirements:
   Prior to NUR 3028: 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) 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.
UFC 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 3834 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 4837 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

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

http://www.philosophy.caah.ucf.edu/

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

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Required HUM 2210 Humanistic Tradition I 3 hrs
   - Required HUM 2230 Humanistic Tradition II 3 hrs
   - Required PHI 2010 Introduction to Philosophy 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Preferred MGF 1106 Finite Mathematics 3 hrs
   - Preferred STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

   1 May substitute a higher level math course.

   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

   2. Common Program Prerequisites (CPP)
   - None

   3. Core Requirements: Basic Level

   HUM 2210 Humanistic Tradition I GEP
   HUM 2230 Humanistic Tradition II GEP
   PHI 2010 Introduction to Philosophy GEP

   4. Core Requirements: Advanced Level (36 hrs)

   Core 6 hrs
   - 1 PHI 3083 Research Methods in Philosophy 3 hrs
   - PHI 4938 Senior Research Seminar 3 hrs

   1 To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

   Reasoning 6 hrs
   Select 2: 6 hrs
   - PHI 2011 Philosophical Reasoning or 3 hrs
   - PHI 2101 Formal Logic or 3 hrs
   - PHI 2108 Critical Thinking or 3 hrs
   - PHI 2647 Logic and Ethics or 3 hrs
   - PHI 3131 Formal Logic II 3 hrs

   History of Philosophy 9 hrs
   Select 2: 6 hrs
   - PHH 3100 Ancient Philosophy or 3 hrs
   - PHH 3200 Medieval Philosophy or 3 hrs
   - PHH 3460 Modern Western Philosophy 3 hrs

   Select 1: 3 hrs
   - PHH 3600 Contemporary Philosophy or 3 hrs
   - PHH 3510 Marx and Nietzsche or 3 hrs
   - PHH 3700 American Philosophy or 3 hrs
   - PHH 3790 African Philosophy 3 hrs

   Values and Society 6 hrs
   Select 2: 6 hrs
   - PHI 3670 Ethical Theory or 3 hrs
   - PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
   - PHH 3401 Philosophy of Law or 3 hrs
   - PHH 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
   - PHH 3100 Freedom and Justice or 3 hrs
   - PHH 3640 Environmental Ethics or 3 hrs
   - PHH 4031 Environmental Philosophy or 3 hrs
   - PHH 3701 Native American Philosophy or 3 hrs
   - PHI 3805 Contemporary Aesthetics 3 hrs
Being and Knowing 6 hrs
Select 2: 6 hrs
PHI 4500 Metaphysics or 3 hrs
PHI 4341 Ways of Knowing or 3 hrs
PHI 4300 Theories of Knowledge or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 4400 Philosophy of Science or 3 hrs
PHI 3320 Philosophy of Mind or 3 hrs
PHI 3451 Philosophy of Psychology or 3 hrs
PHI 4420 Philosophy of Social Science or 3 hrs
PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs

Topics in Philosophy 3 hrs
Select 1: 3 hrs
PHI 4782 Phenomenology or 3 hrs
PHI 4221 Philosophy of Language 3 hrs

5. Restricted Electives (6 hrs)
- Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.
- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Jewish 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: 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 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
- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

Core Requirements 36 hrs
- Same requirements as for regular majors, but must include the following:
  - PHI 2101 Formal Logic I 3 hrs

Upper Division Restricted Electives 6 hrs
- Same as requirement for regular majors

Honors Thesis
- PHI 4903H Honors Directed Reading I 1 hr
- PHI 4970H Undergraduate Honors Thesis 1 hr

Additional Requirements
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain UCF GPA of at least 3.2 and a Philosophy GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a "B" (3.0) or better in both of the following courses:
  - PHI 4903H Honors Directed Reading I 1 hr
  - PHI 4970H Undergraduate Honors Thesis 1 hr

Related Programs
- Humanities
- Humanities - Philosophy, Religion, & Popular Culture Track
- 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
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Sophomore Year - Spring 15 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Junior Year - Fall 15 hrs
PHI 3083 Research Methods in Philosophy 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Senior Year - Spring 15 hrs
PHI 4938 Senior Research Seminar 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

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

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:

   A: Communication Foundations (9 hrs)
   1 Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   SPC 2000 Speech (A.S.) 3 hrs

   B: Cultural & Historical Foundations (6 hrs)
   1 Required ARH 2051 History of Western Art II 3 hrs

   If not already completed as part of the A.S. degree, after acceptance into the program.

   C: Mathematical Foundations (6 hrs)

   If not already completed as part of the A.S. degree, after 3 hrs acceptance into the program.

   Required MGF 2106 College Mathematics or MGF 2107 Mathematics for Liberal Arts 3 hrs
   Computer Science or Statistics 3 hrs

   D: Social Foundations (6 hrs)
   Political Science or Economics 3 hrs
   Psychology or Sociology (If not already completed as part of the A.S. degree, after acceptance into the program.)

   E: Science Foundations (6 hrs)
   Physical Science 3 hrs
   Life Science 3 hrs

2. Common Program Prerequisites (CPP)
- (Included in A.S. or B.S. requirements.)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Subject to change. Prerequisites have not been set by the state.

3. Core Requirements: Basic Level (49 hrs)
- A.S. Required Courses:
  - (Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)
  - PGY 1115 Color Materials and Processes 7 hrs
  - PGY 1403 Fundamentals of Photography 4 hrs
  - PGY 1806 Digital Imaging 4 hrs
  - PGY 2000 History and Aesthetics of Photography 3 hrs
  - PGY 2107 Large Format Photography 4 hrs
  - PGY 2215 Professional Studio Portraiture 4 hrs
  - PGY 2216 Location Photography 4 hrs
  - PGY 1809 Photography and the Digital Image 4 hrs
  - PGY 2300 Field Survey of Professional Workshop 3 hrs
  - PGY 2650 Editorial Photography 4 hrs
  - PGY 2470 Advanced Photography Workshop OR 4 hrs
  - PGY 2535 Portfolio Workshop 4 hrs

4. Core Requirements: Advanced Level (36 hrs)
- PGY 3002 Contemporary Photography 3 hrs
- PGY 4003 Image, Culture, and Society 3 hrs
- PGY 3821C Advanced Digital Photography 3 hrs
- PGY 4472C Photo Visualization 3 hrs
- PGY 4228C Advanced Illustrative Photography 3 hrs
- PGY 4471 Photography Thesis 3 hrs
- PGY 3276 The Professional Environment 3 hrs
- PGY 3205C Photographic Lighting Techniques 3 hrs
- PGY 3651C Narrative Editorial Photography 3 hrs
- PGY 3653C Advanced Editorial Photography 3 hrs
- PGY 3703C Photography & the Web 3 hrs
- PGY 3751C Videography 3 hrs
- CRW 3011 Creative Writing for Non-Majors 3 hrs
- ENC 3250 Professional Writing 3 hrs

1 Only one of these two courses may be selected

5. Restricted Electives (6 hrs)
- Select two of the following courses:
  - PGY 3451C Alternative Processes 3 hrs
  - PGY 4493C Photography and Art 3 hrs
Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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
- 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
- 127

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

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 meet 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

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

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**Physics (B.S.)**

**College of Sciences**

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.

**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**

<table>
<thead>
<tr>
<th>Required</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1603</td>
<td>Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Take all of the following:**

<table>
<thead>
<tr>
<th>Required</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I and II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition I and II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**B: Cultural & Historical Foundations**

**C: Mathematical Foundations**

<table>
<thead>
<tr>
<th>Required</th>
<th>Course</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>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>

**D: Social Foundations**

<table>
<thead>
<tr>
<th>Required</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3502</td>
<td>Computer Science I</td>
<td>3 hrs</td>
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</tbody>
</table>

**E: Science Foundations**

**1. Physical Science:**

<table>
<thead>
<tr>
<th>Required</th>
<th>Course</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>
</tbody>
</table>

**2. Life sciences:**

<table>
<thead>
<tr>
<th>Required</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from the E.2. GEP list.</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**2. Common Program Prerequisites (CPP) (20 hrs)**

<table>
<thead>
<tr>
<th>Required</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>GEP</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>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>GEP</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Note: These courses are considered equivalent.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I 4 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or - students with little chemistry background should select this sequence.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 2040 Chemistry Fundamentals IA and 3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHM 2041 Chemistry Fundamentals IB 3 hrs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Core Requirements: Basic Level (36 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required of all specializations.</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations 3 hrs</td>
</tr>
<tr>
<td>PHY 3101 Physics for Engineers and Scientists III 3 hrs</td>
</tr>
<tr>
<td>PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs</td>
</tr>
<tr>
<td>PHYS 3220 Mechanics I 3 hrs</td>
</tr>
<tr>
<td>PHYS 3513 Thermal and Statistical Physics 3 hrs</td>
</tr>
<tr>
<td>PHYS 3323 Electricity and Magnetism I 3 hrs</td>
</tr>
<tr>
<td>PHYS 4324 Electricity and Magnetism II 3 hrs</td>
</tr>
<tr>
<td>PHYS 4604 Wave Mechanics I 3 hrs</td>
</tr>
<tr>
<td>PHYS 4605 Wave Mechanics II 3 hrs</td>
</tr>
<tr>
<td>PHYS 4912 Directed Independent Research (in area of specialization) 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Laboratory requirements 6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 3802L Intermediate Physics Laboratory 3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
</tr>
<tr>
<td>PHY 3752C Physics of Scientific Instruments or 3 hrs</td>
</tr>
<tr>
<td>PHY 3722C Physics Laboratory-Electronics 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. Core Requirements: Advanced Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one specialization</td>
</tr>
<tr>
<td>4.1. General Physics Specialization 18 hrs</td>
</tr>
<tr>
<td>PH 4803L Advanced Physics Laboratory 3 hrs</td>
</tr>
<tr>
<td>Restricted Electives:</td>
</tr>
<tr>
<td>6 hrs</td>
</tr>
<tr>
<td>Select from upper division PHY, PHZ, or AST courses 6 hrs</td>
</tr>
<tr>
<td>Directed Electives:</td>
</tr>
<tr>
<td>9 hrs</td>
</tr>
<tr>
<td>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. 9 hrs</td>
</tr>
</tbody>
</table>

| 4.2. Materials Physics Specialization 18 hrs |
| Select 1:                                    |
| 3 hrs                                        |
| PHYS 4803L Advanced Physics Laboratory or     |
| 3 hrs                                        |
| EEE 5356C Fabrication of Solid-State Devices 4 hrs |
| Select 3:                                    |
| 9 hrs                                        |
| EEE 3350 Semiconductor Devices I or           |
| 3 hrs                                        |
| EGN 3365 Structure and Properties of Materials or 3 hrs |
| EMA 4413 Fundamentals of Electronic Materials or 3 hrs |
| CHM 3411L Physical Chemistry Laboratory or    |
| 2 hrs                                        |
| PHZ 5405 Condensed Matter Physics or          |
| 3 hrs                                        |
| EEE 5352 Semiconductor Material and Device    |
| 3 hrs                                        |
| Characterization                             |
|||
| 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. 6 hrs |

| 4.3. Optics and Lasers Specialization 18 hrs |
| Select 2:                                    |
| 6 hrs                                        |
| PHY 4424 Optics                             |
| 3 hrs                                        |
| Select 2:                                    |
| 3 hrs                                        |
| EEL 4440 Optical Engineering or              |
| 3 hrs                                        |
| PHY 4445 Lasers or                          |
| 3 hrs                                        |
| OSE 5203 Geometrical Optics and Imaging Systems or 3 hrs |
| OSE 5312 Light Matter Interaction or         |
| 3 hrs                                        |
| OSE 5414 Fundamentals of Optoelectronic Devices 3 hrs |
| 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. 9 hrs |

| 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. 6 hrs |

| 4.5. Astronomy Specialization 18 hrs |
| Select 2:                                    |
| 6 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. 6 hrs |

| 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                                        |

<p>| Related Minors:                           |
| Mathematics                                |</p>
<table>
<thead>
<tr>
<th>Plan of Study</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year - Fall</td>
<td></td>
</tr>
<tr>
<td>GE# 14 hrs</td>
<td></td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analyt. Geo</td>
<td></td>
</tr>
<tr>
<td>PHY 2048C Physics for Sci.</td>
<td></td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals</td>
<td></td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analyt. Geo</td>
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</tr>
<tr>
<td>Freshman Year - Spring</td>
<td></td>
</tr>
<tr>
<td>GE# 15 hrs</td>
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</tr>
<tr>
<td>PHY 2048C Physics for Sci.</td>
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</tr>
<tr>
<td>CHM 2046 Chemistry Fundamentals</td>
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<tr>
<td>CHM 2046L Chemistry Fundamentals</td>
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<tr>
<td>PHY 2048C Physics for Sci.</td>
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<tr>
<td>GEP</td>
<td></td>
</tr>
<tr>
<td>Sophomore Year - Fall</td>
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<tr>
<td>GE# 15 hrs</td>
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</tr>
<tr>
<td>COP 3502 Computer Science</td>
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<tr>
<td>MAC 2313 Calculus with Analyt. Geo</td>
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</tr>
<tr>
<td>PHY 2048C Physics for Sci.</td>
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<tr>
<td>GEP</td>
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<tr>
<td>Sophomore Year - Spring</td>
<td></td>
</tr>
<tr>
<td>GE# 15 hrs</td>
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</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td></td>
</tr>
<tr>
<td>PHY 3101 Physics for Sci.</td>
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</tr>
<tr>
<td>PHZ 3113 Introduction to Theory</td>
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<tr>
<td>Junior Year - Fall</td>
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<tr>
<td>GE# 15 hrs</td>
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<tr>
<td>PHY 3802L Intermediate Physics</td>
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<td>PHY 3323 Electricity &amp; Magnet.</td>
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<td>PHY 3513 Thermal &amp; Statistical Phy</td>
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<td>Restricted Elective</td>
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<tr>
<td>Junior Year - Spring</td>
<td></td>
</tr>
<tr>
<td>GE# 15 hrs</td>
<td></td>
</tr>
<tr>
<td>PHY 3220 Mechanics</td>
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</tr>
<tr>
<td>PHY 4324 Electricity &amp; Magnet.</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Senior Year - Fall</td>
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<tr>
<td>GE# 15 hrs</td>
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<tr>
<td>PHY 4604 Wave Mechanics</td>
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<td>Free Elective</td>
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<td>Restricted Elective</td>
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<tr>
<td>PHY 4912 Independent Research</td>
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<td>Senior Year - Spring</td>
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<tr>
<td>GE# 14 hrs</td>
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<td>PHY 4605 Wave Mechanics</td>
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<td>Restricted Elective</td>
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<tr>
<td>Free Elective</td>
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<tr>
<td>Free Elective</td>
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<tr>
<td>Physics Test-Nationally normed</td>
<td></td>
</tr>
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</table>
UCF Degree Programs

D: Social Foundations (6 hrs)
Required  POS 2041  American National Government  3 hrs
Select from GEP D.2 list  3 hrs

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (3 hrs)
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   See Transfer Notes for possible substitutes.
POS 2041  American National Government  GEP
POS 3703  Scope and Methods of Political Science  3 hrs

3. Core Requirements: Basic Level
POS 3703  Scope and Methods of Political Science  CPP

4. Core Requirements: Advanced Level
POS 2041  American National Government  GEP/CPP

5. Restricted Electives (30 hrs)
   Choose one of the following tracks.
Track 1: American Politics and Policy
Five courses from Area A  15 hrs
Two courses from Area B  6 hrs
Two courses from Area C  6 hrs
One additional course from any Area 3 hrs

Track 2: International Relations-Comparative Politics
No more than two of the following courses may be considered part of area B credit.
INR 4601  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 3074  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
PUP 4204  Sustainability or 3 hrs
PUP 4209  Urban Environmental Policy or 3 hrs
PUP 3203  Environmental Politics or 3 hrs
PUP 3314  Minorities in American Politics or 3 hrs
PUP 3325  Women and Political Behavior or 3 hrs
PUP 4003  American Public Policy or 3 hrs
PUP 4323  Women and Public Policy or 3 hrs
PUP 4404  Education and Politics or 3 hrs
PUP 4503  Government and Science or 3 hrs
PUP 4506  Politics of Health or 3 hrs
PUP 4744  Government and Business or 3 hrs
PUP 4931  Topics in Public Policy or 3 hrs
POS 3078  American Indian Politics or 3 hrs
POS 3234  Protest in American Politics 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 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 4611  Politics of Globalization or 3 hrs
INR 4064  Changing Nature of War 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  International Relations Theory or 3 hrs
INR 4225  The Vietnam War or 3 hrs
INR 4231  International Politics of Latin America or 3 hrs
INR 4350  Global Environmental Politics or 3 hrs
INR 4364  The Intelligence Community or 3 hrs
INR 4396  Issues in International Public Policy or 3 hrs
INR 4397  Human Rights Policy 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 4038  Politics of International Terrorism or 3 hrs

C. Political Theory Area 6 hrs
INR 4603  International Relations Theory or 3 hrs
POS 4206  Political Psychology or 3 hrs
POT 3204  American Political Thought or 3 hrs
POT 3302  Modern Political Ideologies or 3 hrs
POT 4003  Political Theory or 3 hrs
POT 4025  Ancient, Medieval and Early Modern or 3 hrs
POT 4045  Modern Political Philosophy or 3 hrs
POT 4066  Contemporary Political Theory or 3 hrs
POT 4109  Politics and Literature or 3 hrs
POT 4345  Pan-Africanist Thought or 3 hrs
POT 4305  The State, Society, and the Individual or 3 hrs
POT 4314  Contemporary Democratic Theory or 3 hrs
POT 4331  Utopia/Dystopia or 3 hrs
POT 4414  Marxian Political Theory or 3 hrs
POT 4632  Religion and Politics or 3 hrs
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
- 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
- AMH 2020: U.S. History: 1877-Present 3 hrs
- ENC 1102: Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Sophomore Year - Fall
- Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language 4 hrs

### Sophomore Year - Spring
- POS 3703: Scope and Methods of Political Science 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

### Junior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

### Junior Year - Spring
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

### Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

### Senior Year - Spring
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

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: $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](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.
- Students should complete 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 one course toward both programs, except the following courses;
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- 2. Students who major in any Political Science track and minor in International and Global Studies, shall not count more than one course toward both programs.

**1. UCF General Education Program (GEP) (36 hrs)**

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Select a course from GEP B.2. list 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics or 3 hrs
- Prefer MGF 1107 Explorations in Mathematics or 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Test.

**Statistics:**
- Prefer STA 2014C Principles of Statistics or 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- You may substitute a higher level statistics course. 3 hrs

D: Social Foundations (6 hrs)
- Required POS 2041 American National Government 3 hrs

**Political Science**
- Select one of the listed courses 3 hrs

**E: Science Foundations (6 hrs)**
- 2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Program Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the following courses.
  - POS 2041 American National Government GEP
  - POS 3703 Scope and Methods of Political Science 3 hrs

**3. Core Requirements: Basic Level**
- POS 2041 American National Government GEP/CPP

**4. Core Requirements: Advanced Level**
- POS 3703 Scope and Methods of Political Science CPP
- POS 4264 Judicial Process and Politics 3 hrs

**5. Restricted Electives (27 hrs)**
- Select one of the following four courses: 3 hrs
  - POS 4603 American Constitutional Law
  - POS 4604 American Constitutional Law II
  - INR 4401 International Law I
  - INR 4402 International Law II

And, select one of the following two options: (See Area courses list under Political Science) 24 hrs
- Five courses from area A and 15 hrs
- Two courses from area B and 6 hrs
- One course from area C 3 hrs

**OR**
- Two courses from area A and 15 hrs
- Five courses from area B and 15 hrs
- One course from area C 3 hrs

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**

**Admissions**
- Met by graduation requirement

**Graduation**
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

**8. Electives**
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: 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.

**ACG 2021 Principles of Financial Accounting 3 hrs**
**ACG 2071 Principles of Managerial Accounting 3 hrs**
**BUL 3130 Legal and Ethical Environment of Business 4 hrs**
**ENC 3241 Writing for the Technical Professional 3 hrs**
**ENC 3250 Professional Writing 3 hrs**
**LIN 4105 History of the English Language 3 hrs**
**MHF 3302 Logic and Proof in Mathematics 3 hrs**
**PHI 2101 Formal Logic I 3 hrs**
**PLA 3108 Legal Research 3 hrs**
**PLA 3155 Legal Writing 3 hrs**
**POS 4941L Political Science Internship 3 hrs**

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- Maintain a minimum GPA of 2.0 in the major
- 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
### 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.

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<td>GEP</td>
<td>3 hrs</td>
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<td>POS 2041 American National Government</td>
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<td>GEP</td>
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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)

### Psychology (B.S.)

**College of Sciences**

**Department of Psychology, Psychology Building, Room: 301**


**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: | 3 hrs |
| Required: STA 2023 Statistical Methods I or 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 |
**UCF Degree Programs**

**E: Science Foundations (6 hrs)**
- Biology: Select the advanced option if additional biology courses are planned.
  - Required: BSC 1005 Biological Principles or BSC 2010C Biology I. Required: 3 hrs
  - Physical or Chemical: Select a listed course. Physical or Chemical: Select a listed course. 3 hrs

**2. Common Program Prerequisites (CPP) (3 hrs)**
- See Transfer Notes for possible substitutes for the courses listed below.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

**Statistics:**
- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I. 3 hrs

**3. Core Requirements: Basic Level**

**Lower Level Core Requirements**
- PSY 2012 General Psychology. PSY 2012 General Psychology. GEP. 3 hrs

**Biology:**
- Select the advanced option if additional biology courses are planned.
  - BSC 1005 Biological Principles or BSC 2010C Biology I. GEP. 3 hrs

**4. Core Requirements: Advanced Level (15 hrs)**
- PSY 3204C Statistical Methods in Psychology. 4 hrs
- PSY 3213C Research Methods in Psychology. 5 hrs
- PSB 3002 Physiological Psychology. 3 hrs
- PSY 4604 History and Systems of Psychology. 3 hrs

**5. Restricted Electives (33 hrs)**

**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. 3 hrs

**B. Personality/Social: Select one of the following: (3 hrs)**
- PPE 3003C Personality Theory and Research or SOP 3004C Social Psychology. 3 hrs

**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. 3 hrs

**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. 3 hrs

**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. 3 hrs

**F. Psychology Electives (9 hrs)**
- Select three additional courses taught by the Psychology department.
  - NOTE: The following courses will NOT fulfill this requirement.
  - INP 3141C Advanced Applied Psychology or INP 3951 Industrial/Organizational Field Work. 1 hr
  - PSY 3905 Directed Independent Study or PSY 4906 Directed Independent Study or PSY 4912 Directed Independent Research. 1 hr

**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
- ANT 2511 The Human Species or PSC 1121 Physical Science or PHY 2053C College Physics I or CHM 1020 Concepts in Chemistry or COP 3223 Introduction to Programming with C or COP 3502C Computer Science I or COP 3503C Computer Science II or MAC 2233 Concepts of Calculus or MAC 2253 Applied Calculus I or PCB 3703C Human Physiology or STA 4102 Computer Processing of Statistical Data or STA 4163 Statistical Methods II or STA 4164 Statistical Methods III or BSC 1050 Biology and Environment or BSC 2010C Biology I or BSC 3002 Marine Biology or PCB 3063 Genetics or ENV XXXX Any ENV prefix course or GEO XXXX Any GEO prefix course or MCB XXXX Any MCB prefix course or ZOO XXXX Any ZOO prefix course. 3 hrs

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**

**Admissions**
- Met by graduation requirement.

**Graduation**
- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

**8. Electives**
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

**9. Additional Requirements**
- None
- None

**10. Required Minors**

**11. 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.

**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**

**Additional Requirements:**
- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Apply and be accepted into the program through the department.
- Fulfill University requirements for Honors in the Major.
- Earn an overall UCF GPA above 3.2.
- All grades in Psychology courses must be a "B" (3.0) or higher.
- Have a Psychology GPA above 3.5, based on at least 11 credits, including the following course
  - PSY 3213C Research Methods in Psychology. 5 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

284 Undergraduate Catalog 2011-2012
**UCF Degree Programs**

Junior Year - Spring 14 hrs  
PSY 3213C Research Methods in Psychology  5 hrs  
Elective / Minor  3 hrs  
Restricted Elective  3 hrs  
Restricted Elective  3 hrs  

Senior Year - Fall  15 hrs  
Restricted Elective  3 hrs  
Restricted Elective  3 hrs  
Elective / Minor  3 hrs  
Elective / Minor  3 hrs  
Elective / Minor  3 hrs  

Senior Year - Spring  15 hrs  
PSY 4604 History and Systems of Psychology  3 hrs  
Elective / Minor  3 hrs  
Restricted Elective  3 hrs  
Elective / Minor  3 hrs  
Elective / Minor  3 hrs  

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

**Public Administration (B.A. / B.S.)**  
Department of Public Administration, Health and Public Affairs  
Room: 238  
http://www.cohpa.ucf.edu/pubadm/  
Dr. Michael Abels, pa/ba/bs@mail.ucf.edu  
407-823-2604

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 on a regular basis  
- 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  
- Students must earn at least a "C" (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).  
- No transfer course will be accepted with a grade lower than a "C" (2.0)  
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

1. **UCF General Education Program (GEP)** (36 hrs)  
A: Communication Foundations (9 hrs)  
Suggested SPC 1608 Fundamentals of Oral Communication  3 hrs  

B: Cultural & Historical Foundations (9 hrs)  
C: Mathematical Foundations (6 hrs)  
Required CGS 1060C Introduction to Computer Science  3 hrs  

Select 1:  
Suggested MAC 1105C College Algebra or  3 hrs  
Suggested MGF 1106 Finite Mathematics or  3 hrs  
Suggested MGF 1107 Explorations in Mathematics  3 hrs  

D: Social Foundations (6 hrs)  
Suggested POS 2041 American National Government  3 hrs

Freshman Year - Fall  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 - Spring  15 hrs  
ENC 1102 Composition II  3 hrs  
GEP  3 hrs  
Elective / Minor  3 hrs  
Biology  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  4 hrs  
Foreign Language  4 hrs  
GEP  3 hrs  

Junior Year - Fall  16 hrs  
PSB 3002 Physiological Psychology  3 hrs  
PSY 3204C Statistical Methods in Psychology  4 hrs  
Restricted Elective  3 hrs  
Restricted Elective  3 hrs  
Elective / Minor  3 hrs  

**Related Programs**  
- Psychology  
- Sociology  
- Anthropology  
- Criminal Justice  

**Certificates**  
- Behavioral Forensics  
- \[\text{CPP.}\]

**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:  
- Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, the advanced course is a prerequisite for some courses.  
- Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.

**DEP 2004; any lower level psychology course will fulfill the CPP.** However, since this course satisfies the CPP as well as psychology restricted elective 5C, students are advised to select it to satisfy their CPP.

**Plan of Study**  
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

**Freshman Year - Fall**  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 - Spring**  15 hrs  
ENC 1102 Composition II  3 hrs  
GEP  3 hrs  
Elective / Minor  3 hrs  
Biology  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  4 hrs  
Foreign Language  4 hrs  
GEP  3 hrs  

**Junior Year - Fall**  16 hrs  
PSB 3002 Physiological Psychology  3 hrs  
PSY 3204C Statistical Methods in Psychology  4 hrs  
Restricted Elective  3 hrs  
Restricted Elective  3 hrs  
Elective / Minor  3 hrs  

**Related Minors**  
- Anthropology  
- Biology  
- Psychology  

**Advising Notes**  
- Visit the Psychology Advising Center (PSY 250); walk-in advising available M, T, R, F from 9 to 5.

**Equipment Fees**  
- Part-Time Student: $5.50 per term  
- Full-Time Student: $11 per term.
UCF Degree Programs

Select 1: 3 hrs
- Suggested PSY 2012 General Psychology or 3 hrs
- Suggested SYS 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
- None

4. Core Requirements: Advanced Level (21 hrs)
- PAD 3003 Public Administration in American Society 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 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

B.A./B.S. Option 6 hrs
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. Restricted Electives (39 hrs)
Public Administration electives are required as follows:
- PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.
- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
- Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- The students must attain a minimum grade of "C" (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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 14 hrs
- ENC 1101 Composition I 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- POS 2041 American National Government 3 hrs
- PAP 2102 Public Affairs Careers 2 hrs

Select 1: 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2150 Introduction to Philosophy or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Select 1: 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2009 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

Select 1: 3 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- AST 2002 Astronomy or 3 hrs
- Free Elective 3 hrs
Sophomore Year - Fall  
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
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</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>EUH 2000 Western Civilization I or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2210 Humanistic Tradition I or</td>
<td>3</td>
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<tr>
<td>ANH 2010 U.S. History: 1492-1877 or</td>
<td>3</td>
</tr>
<tr>
<td>WOH 2012 World Civilization I</td>
<td>3</td>
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<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>BSC 1005 Biological Principles or</td>
<td>3</td>
</tr>
<tr>
<td>MCB 1310 Introduction to Biotechnology and Genetic Engineering or</td>
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Sophomore Year - Spring  
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<thead>
<tr>
<th>Course</th>
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<tr>
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<tr>
<td>PAD 3003 Public Administration in American Society</td>
<td>3</td>
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<tr>
<td>Free Elective</td>
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<tr>
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<td>PAD 3733 Professional Administrative Writing in the Public Sector</td>
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Junior Year - Fall  
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<th>Course</th>
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<td>PAD 4104 Administrative Theory</td>
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<tr>
<td>PAD 4414 Public Personnel Administration</td>
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<tr>
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Junior Year - Spring  
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<td>PAD 4034 The Administration of Public Policy</td>
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<tr>
<td>PAD 4254 Fiscal Management</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4720 Survey Research in Public Administration</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Foreign Language II or BS option</td>
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Senior Year - Fall  
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<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
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Senior Year - Spring  
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<thead>
<tr>
<th>Course</th>
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<td>15 hrs</td>
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<td>Restricted Elective</td>
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<tr>
<td>Upper Division Elective</td>
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<tr>
<td>Upper Division Elective</td>
<td>3</td>
</tr>
<tr>
<td>Upper Division Elective</td>
<td>3</td>
</tr>
<tr>
<td>Restricted elective or PAD Internship</td>
<td>3</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)

Radio - Television (B.A.)  
College of Sciences  
Nicholson School of Communication, NSC, Room: 143  
[http://communication.cos.ucf.edu/](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).  
- 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 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 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:  
- Prefer SPC 1608 Fundamentals of Oral Communication 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 Exploration in Mathematics 3 hrs  
- Required MGF 1107 Finite Mathematics or Exploration in Mathematics 3 hrs  

Computer Science:  
- Prefer CGS 2100C Computer Fundamentals for Business 3 hrs
## UCF Degree Programs

### D: Social Foundations
- 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:
- SPC 1603 Fundamentals of Technical Presentations GEP
- SPC 1608 Fundamentals of Oral Communication GEP

#### Select 1:
- CGS 2100C Computer Fundamentals for Business or GEP
- CGS 2585C Desktop/Internet Publishing 3 hrs
- CGS 3175 Internet Applications 3 hrs

### 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:
- RTV 3210C Audio Production I or GEP
- RTV 3228C Studio Television Production or 4 hrs
- RTV 3232C Lighting for Video or 3 hrs
- RTV 3260C Single Camera Video Production and Editing or 4 hrs
- RTV 3263C Advanced Video Post-Production or 3 hrs
- RTV 3283C Production of Interactive Multimedia or 3 hrs
- RTV 4211C Audio Production II or 3 hrs
- RTV 4280C Webcasting I or 3 hrs
- RTV 4281C Webcasting II or 3 hrs
- RTV 4206C Television Directing or 3 hrs
- RTV 4271C Radio Production and Programming or 3 hrs
- 1 RTV 3942L Practicum or 3 hrs
- 1 RTV 4941 Internship 1 hr

#### B. Broadcast Journalism
- 22 hrs

Complete all of the following:
- MMC 4602 Contemporary Media Issues and 3 hrs
- RTV 3260C Single Camera Video Production and Editing and 3 hrs
- RTV 3301 Electronic Journalism I and 3 hrs
- RTV 3304 Electronic Journalism II and 3 hrs
- RTV 4320C Television News 4 hrs

Select from the following:
- JOU 3004 History of American Journalism or 3 hrs
- RTV 3234C Broadcast Announcing and Performance or 3 hrs
- RTV 4322C Advanced TV News or 3 hrs
- RTV 4700 Regulation of Broadcasting or 3 hrs
- 1 RTV 4906 Directed Independent Study or 1 hr
- 1 RTV 4941 Internship 1 hr

#### C. Broadcast Generalist
- 18 hrs

Select from the following:
- ADV 4103 Radio-Television Advertising or 3 hrs
- CMC 4240 Corporate/Institutional Video or 3 hrs
- COM 3330 Computer Mediated Communication or 3 hrs
- MMC 4263 New Media Technologies or 3 hrs
- RTV 3234C Broadcast Announcing and Performance or 3 hrs

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement.

#### Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

### 8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve an overall “C” GPA (2.0) in UCF Radio-TV courses used to satisfy 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
- 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

Senior Year - Spring 15 hrs
- Restricted Elective 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/alc/academic_learning_comacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Real Estate (B.S.B.A.)
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
Students seeking advising will need to go to BA 2 room 101.
http://web.bus.ucf.edu/realestate/
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

B: Cultural & Historical Foundations (6 hrs)
- Required MAC 1140 Pre-Calculus Algebra
- Required CGS 2100C Computer Fundamentals for Business

C: Mathematical Foundations (6 hrs)
- Required MAC 1140 Pre-Calculus Algebra

D: Social Foundations (6 hrs)
- Select 1: Suggested ECO 2013 Principles of Macroeconomics or Suggested ECO 2023 Principles of Microeconomics

E: Science Foundations (6 hrs)
- Suggested PSY 2012 General Psychology or Suggested SYG 2000 Introduction to Sociology or Suggested ANT 2000 General Anthropology
UCF Degree Programs

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 Microeconomics 3 hrs
   ECO 2023 Principles of Macroeconomics 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs

3. Core Requirements: Basic Level (32 hrs)
   First or subsequent semester in the College of Business Administration:
   1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   GEB 3375 Introduction to International Business 4 hrs
   BUL 3130 Legal and Ethical Environment of Business 4 hrs
   ECO 3411 Quantitative Business Tools I 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
   1 Required in 1st or 2nd semester

4. Core Requirements: Advanced Level (9 hrs)
   FIN 2100 Personal Finance and Investments 3 hrs
   REE 3043 Fundamentals of Real Estate 3 hrs
   REE 3433 Real Estate Law 3 hrs

5. Restricted Electives (15 hrs)
   Select 5:
   FIN 3414 Intermediate Corporate Finance 3 hrs
   FIN 3504 Investment Analysis 3 hrs
   MAR 3391 Professional Selling 3 hrs
   RIE 3614 Environmental Issues for Real Estate 3 hrs
   RIE 4103 Real Estate Appraisal and Valuation 3 hrs
   RIE 4205 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
   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)
   MAN 4720 Strategic Management 4 hrs
   ■ This course should be taken in the graduating term and requires the following prerequisites:
   GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   MAR 3023 Marketing 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   FIN 3403C Business Finance 4 hrs

7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   ■ None

8. Electives
   ■ variable

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ None

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ None

Certificates
■ Real Estate: Mortgage Brokerage
■ Real Estate: Real Estate Appraisal
■ Real Estate: Real Estate Brokerage

Related Minors
■ None

Advising Notes
■ Florida 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
Cult-Hist I 3 hrs
Elective 3 hrs
Freshman Year - Spring  15 hrs
ENC 1102  Composition II  3 hrs
CGS 2100C  Computer Fundamentals for Business  3 hrs
Cull-Mill 2  3 hrs
Art/Music/Lit  3 hrs
Elective  3 hrs

Sophomore Year - Fall  15 hrs
ECC 2013  Principles of Macroeconomics  3 hrs
AG 2021  Principles of Financial Accounting  3 hrs
Science  3 hrs
Psy/Soc/Art  3 hrs
Elective  3 hrs

Sophomore Year - Spring  15 hrs
ECC 2023  Principles of Microeconomics  3 hrs
AG 2071  Principles of Managerial Accounting  3 hrs
FIN 2100  Personal Finance and Investments  3 hrs
ECC 3401  Quantitative Business Tools I  3 hrs
Science  3 hrs

Junior Year - Fall  14 hrs
GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
REE 3043  Fundamentals of Real Estate  3 hrs
REE 3433  Real Estate Law  3 hrs
FIN 3403C  Business Finance  4 hrs

Junior Year - Spring  15 hrs
GEB 3375  Introduction to International Business  4 hrs
MAR 3023  Marketing  4 hrs
ECC 3411  Quantitative Business Tools II  4 hrs
REE 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
REE Elective  3 hrs

Senior Year - Spring  16 hrs
MAN 4720  Strategic Management  4 hrs
REE Elective  3 hrs
REE Elective  3 hrs
REE Elective  3 hrs

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

Religious Studies (B.A.)
College of Arts and Humanities
Department of Philosophy, Psychology Building,
Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: religion@mail.ucf.edu
Dr. Sabatino DiBernardo, sdberna@mail.ucf.edu, 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- 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.

1. UCF General Education Program (GEP)  (36 hrs)
   A: Communication Foundations  (9 hrs)
   B: Cultural & Historical Foundations  (9 hrs)
   Required  HUM 2210  Humanistic Tradition I  3 hrs
   Required  HUM 2230  Humanistic Tradition II  3 hrs
   Required  REL 2300  World Religions  3 hrs

   C: Mathematical Foundations  (6 hrs)
   ^ Prefer  MGF 1106  Finite Mathematics  3 hrs
   Prefer  STA 1000C  Basic Statistics Using Microsoft Excel  3 hrs

1 ^ May substitute a higher level math course

D: Social Foundations  (6 hrs)
E: Science Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level
   HUM 2210  Humanistic Tradition I  GEP
   HUM 2230  Humanistic Tradition II  GEP
   REL 2300  World Religions  GEP

4. Core Requirements: Advanced Level  (24 hrs)
   Foundations in the Study of Religion and Humanities  9 hrs
   Religion  6 hrs
   REL 3131  Religion in America or
   REL 4110  Religion and the Arts or
   PHI 3703  Philosophy of Religion or
   ANT 3241  Magic, Ritual, and Belief or
   POT 4632  Religion and Politics or
   SYO 4200  Religion in Society  3 hrs

   Humanities and Classics  3 hrs
   CLT 3370  Classical Mythology or
   CLT 3371  Comparative Mythology or
   HUM 3431  Ancient Humanities or
   HUM 3435  Medieval Humanities or
   HUM 3255  Modern Humanities or
   HUM 3252  Contemporary Humanities  3 hrs

   Traditions: Religion in a Global World  9 hrs
   Select 1:  3 hrs
   JST 3401  Jewish People in Antiquity or
   JST 3402  Wanderings: The Jewish People in Dispersion

   Select 2:  6 hrs
   ANT 3245  Native American Religions 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
   REL 3553  Moses, Jesus and Muhammad or
   REL 3340  Buddhist Thought  3 hrs

   Applications: Topics and Issues in the Study of Religion  6 hrs
   Select 2:  6 hrs
   PHI 3033  Philosophy, Religion, and the Environment or
   REL 3115  Religion, Spirituality, and Popular Music or
   REL 3111  Religion and Philosophy Through Film or
   REL 3432  Roots of Western Mysticism or
   HUM 4554  Religious Quest and Human Dilemma or
   HUM 4303  The Spiritual Ideal or
   PHI 3072  Animal Ethics or
   REL 4180  Religion and Medicine  3 hrs

5. Restricted Electives  (9 hrs)
   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
   REL 4941  Internship or  1 hr
   HUM 3320  Contemporary Multicultural Studies or
   HUM 4301  The Classical Ideal or
   HUM 4330  Performance Theory or
   PHI 4321  Philosophies of Embodiment: Mind/Body/ Self or
## UCF Degree Programs

### Philosophy (PHI)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>PHI 3629 Family Values</td>
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<tr>
<td>PHI 3638 Ethical Issues</td>
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<tr>
<td>PHI 3684 Ways of Living</td>
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<td>PHM 3020 Philosophy of</td>
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<td>Love</td>
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<td>PHI 4341 Ways of Knowing</td>
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<tr>
<td>PHI 4804 Critical Theory</td>
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<td>PHI 3100 Freedom and</td>
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<td>Justice</td>
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<td>and Havana</td>
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<td>ASH 3223 The Modern</td>
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<td>Middle East</td>
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<td>JST 3100 The Hebrew</td>
<td>3 hrs</td>
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<tr>
<td>Creative Mind</td>
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<tr>
<td>JST 3125 The Book of Job</td>
<td>3 hrs</td>
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<tr>
<td>JST 3144 Dead Sea Scrolls</td>
<td>3 hrs</td>
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<td>JST 3450 Modern Jewish</td>
<td>3 hrs</td>
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<td>Experience</td>
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<tr>
<td>JST 3550 Introduction</td>
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<td>of Modernism into Judaism</td>
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<td>JST 3701 History of the</td>
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<td>JST 3751 Literature of</td>
<td>3 hrs</td>
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<td>the Holocaust</td>
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<td>JST 3810 The Jewish</td>
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<td>National Movement and</td>
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<td>Roots of Zionism</td>
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<tr>
<td>LIT 4374 Literature of</td>
<td>3 hrs</td>
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<td>the Bible</td>
<td></td>
</tr>
<tr>
<td>LIT 3202 Death and Dying</td>
<td>3 hrs</td>
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</tbody>
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### Admissions

- **Met by graduation requirement**
- **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.**

### Graduation

- **Earn a "B" (3.0) or better in both of the following:**
  - REL 4903H Honors Directed Readings I 3 hrs
  - REL 4970H Undergraduate Honors Thesis 3 hrs

### Requirements

- **Earning a "B" (3.0) or better in both of the following:**
  - REL 4903H Honors Directed Readings I 3 hrs
  - REL 4970H Undergraduate Honors Thesis 3 hrs

### Related Programs

- **Interdisciplinary Studies**
- **Philosophy**
- **Humanities**
- **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

- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- REL 2300 World Religions 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

#### Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- HUM 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

- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Sophomore Year - Spring

- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Fall

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Spring

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Fall

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

### 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

- **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
    - 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.
Select 1: 3 hrs
Hospitality Core Requirements 34 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.oes.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
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
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 GE
Select 1: 3 hrs
CGS 2100C Computer Fundamentals for Business or GE
STA 2023 Statistical Methods I GE

Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or GE
ECO 2023 Principles of Microeconomics GE

4. Core Requirements: Advanced Level
Hospitality Core Requirements (55 hrs)
FSS 2211C 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 4295 Leadership and Strategic Management in Hospitality Industry
Internships
Select 1: 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. Required Electives (15 hrs)
Select 5: 3 hrs
FSS 3008 Culture and Cuisine or
FSS 4135 Corporate Contract and Managed Services or
Organizations or
FSS 4286C Catering and Banquet Organization or
HFT 3654 Franchising in the Restaurant Industry or
HFT 3869 History and Culture of Wine or
HFT 4266 Restaurant Brand Management or
HFT 4268 Case Studies in Restaurant Management or
HFT 4281 Restaurant Leadership Strategies and Tactics or
HFT 4343 Hospitality Facilities Planning and Design or
HFT 4864 Seminar in Quality Brewing and Fine Beer or
HFT 4866C Exploring Wines of the World or
HFT 4894 International Gastronomy or
HUN 3013 Nutrition Concepts and Issues in the Food Service Industry

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
None

8. Electives
3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
Final exams will be given during Exam Week only.
Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

10. Required Minors
None

11. Departmental Exit Requirements
None

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
## UCF Degree Programs

### Freshman Year - Fall
- 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

### Sophomore Year - Fall
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- HFT 3263 Restaurant Management 3 hrs

### Sophomore Year - Spring
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- SPS 3124 Supply and Procurement Management 3 hrs
- ANT 2511 The Human Species 3 hrs

### Junior Year - Fall
- 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 3 hrs
- HFT 3940 Internship 1 hr

### Junior Year - Spring
- 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
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4944 Practicum 1 hr
- HFT 4464 Hospitality Industry Finance 3 hrs

### Senior Year - Spring
- HFT 4295 Leadership and Strategic Management in the Hospitality Industry 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: $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.

### 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.

### Notes
- 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 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 Basic Statistics Using Microsoft Excel or
  - Prefer STA 2014C Principles of Statistics 3 hrs

##### D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Preferred POS 2041 American National Government 3 hrs
  - Prefer PSY 2012 General Psychology 3 hrs

##### E: Science Foundations (7 hrs)
- 1 Required PSC 1121 General Science 3 hrs
- 1 Required BSC 2010C College Algebra 3 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.
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 (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 GEP
   - 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 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: EDF 4467 Learning Theory and Assessment 3 hrs
   - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
   - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
   - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
   - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
   - Students in Schools
   - 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/
   - Satisfactory completion of Internship I 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

6. Capstone Requirements

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
   - 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

13. Related Programs

14. Certificates

15. Related Minors

16. Advising Notes

17. Transfer Notes

Acceptable Substitutes for Transfer Courses

Plan of Study (120 hrs)
   - Recommended Four Year Sequence of Courses
   - Full Time Freshman Year: Fall 12 hrs
   - AMH 2101 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 16 hrs
   - AMH 2102 U.S. History: 1877-Present 3 hrs
   - ENC 1102 Composition II 3 hrs
   - PHI 2010 Introduction to Philosophy 3 hrs

   - 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/
   - Successful 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
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

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 3 hrs

Junior Year - Fall 14 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3044L Principles of Ecology Laboratory 1 hr
Select one of the following sequences of courses:

PCB 3063 Genetics and 3 hrs
PCB 3063L Genetics Laboratory 1 hr

or

PCB 3703C Human Physiology 4 hrs

or

ZOO 3733C Human Anatomy 4 hrs

Junior Year - Spring 12 hrs
MCB 3020C General Microbiology 5 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
SCE 3361 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
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Senior Year - Spring 12 hrs
SCE 4941 Internship 12 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oees.ucf.edu/ualc/academic_learning_comacts.htm

Science Education - Chemistry (B.S.)
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
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)
   - Preferred ENC 1102 Composition I 3 hrs
   - Preferred ENC 1101 Composition II 3 hrs
   - Preferred 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
   - Preferred PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
   - Required MAC 1114 College Trigonometry 3 hrs
   - Select 1: 3 hrs
     - Preferred STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
     - 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 (7 hrs)
   - Preferred BSC 2010C Biology I 4 hrs
   - Preferred PSC 1121L Physical Science 3 hrs
   - A grade of "C-" (1.75) or better is 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)
   - 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
     - CHM 2045C Chemistry Fundamentals I 4 hrs
4. Core Requirements: Advanced Level (66 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

Internship I Block 7 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 3940 Internship 3 hrs

Specialization Requirements 29 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- PHY 2053C College Physics I 4 hrs
- CHM 3120 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- ECS 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 recommend-ed 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 demon-strate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- SCE 4941 Internship 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements

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 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
- 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 3 hrs
- ENC 1101 Composition I 3 hrs
- PSC 1121 Physical Science 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Freshman Year - Summer
- POS 2041 American National Government 3 hrs

Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
UFC Degree Programs

Sophomore Year - Spring 13 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

Junior Year - Fall 16 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr

Junior Year - Spring 14 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Junior Year - Summer 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- Students in Schools

Senior Year - Fall 13 hrs
- BCH 4053 Biochemistry I 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- SCE 3940 Internship 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs

Senior Year - Spring 12 hrs
- SCE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.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
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 requirement are subject to change based on state mandates.

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

1 Required
1 EDF 2085 Introduction to Diversity for Educators 3 hrs
1 EDF 2085 Introduction to Diversity for Educators 3 hrs
1 EME 2040 Introduction to Technology for Educators 3 hrs

1 Prefer
1 Select 1: 3 hrs
1 Required
1 Select 1: 3 hrs
1 Required
1 Select 1: 3 hrs

1 A grade of "C-" (1.75) or better is required.

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transition 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
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PSC 1121L Physical Science Lab 1 hr
- MAC 2311 Calculus with Analytic Geometry I 3 hrs

4. Core Requirements: Advanced Level (66 hrs)
- Education Core Requirements 18 hrs
- Program Internship I Prerequisites: EDF 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: 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 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

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
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- Preferred
- SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Preferred
- AMH 2010 U.S. History: 1492-1877 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- 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: 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

Select 1: 3 hrs
- ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
- ANTH 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

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### 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/](http://www.education.ucf.edu/clinicalexp/).
- Satisfactory completion of Internship I 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-5.006.
- SCE 4941 Internship 12 hrs

### Internship II
12 hrs
- At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Physics 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalexp/](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-5.006.
- SCE 4941 Internship 12 hrs

### Select 1:
3 hrs
- PHY 3752C Physics of Scientific Instruments or
- PHY 3722C Physics Laboratory-Electronics 3 hrs

### Related Electives
- None

### Related Programs
- None

### Acceptable Substitutes for Transfer Courses
- None

### Related Minors
- None

### Advising Notes
- None

### Transfer Notes
- None

### Undergraduate Catalog 2011-2012

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<thead>
<tr>
<th>Plan of Study</th>
<th>(120 hrs)</th>
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<tbody>
<tr>
<td>Freshman Year - Fall</td>
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<tr>
<td>AMH 2010 U.S. History: 1492-1877</td>
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<td>ENC 1101 Composition I</td>
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<td>BSC 1005 Biological Principles</td>
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1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

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<td>CHM 2046 Chemistry Fundamentals II</td>
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<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
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<tr>
<td>EDG 4410 Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
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<tr>
<td>TSL 4080 Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
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UCF Degree Programs

Junior Year - Spring 13 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Junior Year - Summer 3 hrs
- PHY 3101 Physics for Engineers and Scientists III 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

Select 1: 3 hrs
- PHY 3752C Physics of Scientific Instruments or
- PHY 3722C Physics Laboratory-Electronics 3 hrs

Senior Year - Spring 12 hrs
- SCE 4941 Internship 12 hrs

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

Social Science Education (B.S.)
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 Andreaen, 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 Gordon Rule Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and Board of Education Rule 6A-5.566. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Required AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel or
  - Prefer STA 2014C Principles of Statistics 3 hrs

Select 1: 3 hrs
- Suggested MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- Prefer ANT 2511 The Human Species or
- 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

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (9 hrs)
- Prefer EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ECO 2013 Principles of Microeconomics 3 hrs
- ECO 2023 Principles of Macroeconomics 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.

4. Core Requirements: Advanced Level (66 hrs)

Education Core Requirements 18 hrs
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: 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.
- Prior to Internship I, the student must have completed EDF 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Internship I Block 6 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- SSE 4361 Social Science Instructional Analysis 4 hrs
- SSE 3940 Internship 3 hrs

Specialization Requirements 30 hrs
- GEO 3471 World Political Geography 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- EUH 2009 Western Civilization I 3 hrs
- EUH 2001 Western Civilization II 3 hrs
AMH 2010  U.S. History: 1492-1877  GEP
AMH 2020  U.S. History: 1877-Present  GEP
PSY 2012  General Psychology  GEP
POE 2041  American National Government  GEP
SSE 4036  Programs in Teaching Social Science  GEP
Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX) 3 hrs
Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX) 3 hrs
Upper Division American History Elective (AMH prefix courses 3/4XXX) 3 hrs
Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX) 6 hrs

Internship II  12 hrs

- At least 80% of all required social science courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Social Science 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Department 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
MGF 1106  Finite Mathematics  3 hrs
STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

Freshman Year - Spring 12 hrs
AMH 2020  U.S. History: 1877-Present  3 hrs
ENC 1102  Composition II  3 hrs
PSY 2012  General Psychology  3 hrs

Select 1:

- ANT 2511  The Human Species or  3 hrs
- 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 2005  Introduction to the Teaching Profession  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
EDF 2085  Introduction to Diversity for Educators  3 hrs
EME 2040  Introduction to Technology for Educators  3 hrs
1 EDF 2130  Child and Adolescent Development for Educators  3 hrs

Sophomore Year - Spring 12 hrs
ECO 2013  Principles of Microeconomics  3 hrs
PSY 2012  General Psychology  3 hrs
SYG 2000  Introduction to Sociology  3 hrs

Select 1:

- STA 1060C  Basic Statistics Using Microsoft Excel or  3 hrs
- STA 2014C  Principles of Statistics  3 hrs

Sophomore Year - Summer 9 hrs
EUH 2000  Western Civilization I  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs
Political Science Elective (CPO, INR, POS 3/4XXX)  3 hrs

Junior Year - Fall 15 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
SSE 4936  Programs in Teaching Social Science  3 hrs
EUH 2001  Western Civilization II  3 hrs
Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX)  3 hrs

Junior Year - Spring 12 hrs
SSE 4361  Social Science Instructional Analysis  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.
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, social culture, as well as past and present human conditions. Students focus on several specific areas within the social sciences while becoming aware of the interdisciplinary nature of the participating programs.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students who declare the Social Sciences major must meet with a program advisor and complete a standardized entrance exam.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.
- Grads 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
   Suggested SPC 1603 Fundamentals of Technical Presentations or
   Prefer 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)

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
   STA 2023 Statistical Methods I

   STA 2023 Statistical Methods I

   STA 2014C Principles of Statistics or

   STA 2023 Statistical Methods I

   Select at least three of the following, depending on concentrations to be taken:
   ANT 2000 General Anthropology or
   POS 2041 American National Government or
   PSY 2012 General Psychology or
   SPC 1608 Fundamentals of Oral Communication or
   SYG 2000 Introduction to Sociology

   4. Core Requirements: Advanced Level (57 hrs)
   Select one methods’ course:
   3 hrs
   POS 3703 Scope and Methods of Political Science or
   PSY 3213C Research Methods in Psychology or
   SYA 4300C Research Methods or
   COM 3311 Communication Research Methods

   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

Select one of the following, depending on the concentration:

- UCF General Education Program (GEP) (36 hrs)
- Required ANT 2000 General Anthropology or
- Required PSY 2012 General Psychology or
- Required SYG 2000 Introduction to Sociology

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
   STA 2023 Statistical Methods I

   STA 2023 Statistical Methods I

   STA 2014C Principles of Statistics or

   STA 2023 Statistical Methods I

   Select at least three of the following, depending on concentrations to be taken:
   ANT 2000 General Anthropology or
   POS 2041 American National Government or
   PSY 2012 General Psychology or
   SPC 1608 Fundamentals of Oral Communication or
   SYG 2000 Introduction to Sociology

   4. Core Requirements: Advanced Level (57 hrs)
   Select one methods’ course:
   3 hrs
   POS 3703 Scope and Methods of Political Science or
   PSY 3213C Research Methods in Psychology or
   SYA 4300C Research Methods or
   COM 3311 Communication Research Methods

   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

Select one of the following, depending on the concentration:

- UCF General Education Program (GEP) (36 hrs)
- Required ANT 2000 General Anthropology or
- Required PSY 2012 General Psychology or
- Required SYG 2000 Introduction to Sociology

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.
Sophomore Year - Fall  
15 hrs  
Core Course 3 hrs  
GEP 3 hrs  
Sophomore Year - Spring  
15 hrs  
Core Course 3 hrs  
GEP 3 hrs  
GEP 3 hrs  
Elective / Minor 3 hrs  
Elective / Minor 3 hrs  
Elective / Minor 3 hrs  
Elective / Minor 3 hrs  
Elective / Minor 3 hrs  
Junior Year - Fall  
15 hrs  
Elective / Minor 3 hrs  
Elective / Minor 3 hrs  
Elective / Minor 3 hrs  
Elective / Minor 3 hrs  
Elective / Minor 3 hrs  
Senior Year - Fall  
15 hrs  
Elective / Minor 3 hrs  
Elective / Minor 3 hrs  
Elective / Minor 3 hrs  
Elective / Minor 3 hrs  
Free Elective 3 hrs  
Senior Year - Spring  
15 hrs  
Restricted Elective 3 hrs  
Restricted Elective 3 hrs  
Restricted Elective 3 hrs  
Restricted 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.oes.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.copha.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 pending Social Work and are admitted to the program must adopt the most current catalog.
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work.
- Students should complete the General Education Program, 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

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

- Select 1:
  - Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

#### C: Mathematical Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Explorations in Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

#### 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:
  - Suggested PSC 1121 Physical Science or PSC 1122 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.

<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</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>Biological Principles</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

- Select 1:
  - Suggested ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

#### 3. Core Requirements: Basic Level

- None

#### 4. Core Requirements: Advanced Level (45 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 3104</td>
<td>Assessing I: Human Development</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3203</td>
<td>Social Work &amp; Community Resources</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3300</td>
<td>Practice I: Generalist Practice in Social Work</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3111</td>
<td>Assessing II: Human Systems</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3502</td>
<td>Practice II: Interpersonal Skills in Social Work</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3401</td>
<td>Social Work Research</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3620</td>
<td>Social Work with Diverse Populations</td>
<td>3</td>
</tr>
<tr>
<td>SOW 4730</td>
<td>Documentation in Social Work Practice</td>
<td>3</td>
</tr>
<tr>
<td>SOW 4232</td>
<td>Social Welfare Policies and Issues</td>
<td>3</td>
</tr>
</tbody>
</table>

- 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 4332 People and Cultures of Latin America 3 hrs
  - ANT 3363 Anthropology of Japan 3 hrs
  - ANT 2410 Cultural Anthropology 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - ASH 4404 China in 19th and 20th Centuries 3 hrs
  - ASH 4442 Modern Japan, 19th and 20th Centuries 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - HUM 3401 Asian Humanities 3 hrs
  - HUM 3417 Hindu Thought and Culture 3 hrs
  - HUM 3419 Islamic Thought and Culture 3 hrs
  - JST 3401 Jewish People in Antiquity 3 hrs
  - JST 3402 Wanderings: The Jewish People in Dispersion 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.

#### 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.

### 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
Plan of Study

**Freshman Year - Fall**
- 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:**
  - SYG 2000  Introduction to Sociology or
  - PSY 2012  General Psychology  3 hrs

**Freshman Year - Spring**
- ENC 1102  Composition II  3 hrs
- STA 2014C  Principles of Statistics  3 hrs
- POS 2041  American National Government  3 hrs
- **Select 1:**
  - PSY 2012  General Psychology or
  - SYG 2000  Introduction to Sociology  3 hrs

**Sophomore Year - Fall**
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- SOW 2020  Careers in Creating Social Change  3 hrs
- **Select 1:**
  - ECO 2013  Principles of Macroeconomics or
  - ECO 2023  Principles of Microeconomics  3 hrs

**Sophomore Year - Spring**
- UCB 2100  Core Course (3 hrs)
- **Select 1:**
  - EUH 2001  Western Civilization I or
  - WOH 2012  World Civilization I or  3 hrs

**Junior Year - Fall**
- SOW 3104  Assessing I: Human Development or
- SOW 3300  Practice I: Generalist Practice in Social Work or
- SOW 3620  Social Work with Diverse Populations  3 hrs
- SOW Elective  3 hrs

**Junior Year - Spring**
- 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
- SOW Elective  3 hrs

**Senior Year - Fall**
- SOW 4941  Internship  4 hrs
- SOW 4510  Internship Seminar  3 hrs
- SOW 4522  Internship Seminar  3 hrs
- SOW 4531  Internship Seminar  3 hrs

**Senior Year - Spring**
- SOW 4510  Internship  9 hrs
- SOW 4522  Internship Seminar  3 hrs
- SOW 4941  Internship  9 hrs
- SOW Elective  9 hrs

**Related Minors**
- Health Services Administration
- Aging Studies
- 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
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 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, and research analyst.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
- Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
- Students must have a “C” (2.0) or higher in all core courses.
- Co-op credit cannot be used in this major.
- Directed independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.
- No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) credit may be used for the major.
- 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:
- A satisfactory score in the Math Placement Test is required before enrolling in this course.
  Prefer MAC 1105C College Algebra 3 hrs
Statistics:
  Prefer STA 2014C Principles of Statistics 3 hrs
D: Social Foundations (6 hrs)
Political Science/Economics
  Select one listed course 3 hrs
Social Sciences
  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
SYG 2000 Introduction to Sociology GEP/CPP

4. Core Requirements: Advanced Level (12 hrs)
SYA 4300C Research Methods 4 hrs
SYA 4450 Data Analysis CPP
SYA 3110 Social Theory CPP
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 3380 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 count toward the restricted electives requirement.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.
Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of “C” (2.0) in all core courses.
- Students will be required to take a standard exit exam in their graduating semester.
- 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
- Anthropology
- Criminal Justice

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 (e.g., syllabus, course catalog description).

Acceptable Substitutes for Transfer Courses
- SYG 2000; although the CPP accepts any lower division sociology course, this course is a prerequisite for subsequent sociology courses and still must be taken.
- SYA 3110: although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Math, take Math Placement Test – http://math-placement.sdes.ucf.edu/

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Sophomore Year - Fall
- SYA 3400C Applied Social Statistics 4 hrs
- SYA 4300C Research Methods 4 hrs
- SYA 4450 Data Analysis 4 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Fall
- Free Elective 3 hrs
- SYA 3110 Social Theory 3 hrs
- SYA 4450 Data Analysis 4 hrs
- Free Elective 4 hrs

Senior Year - Spring
- SYA 3110 Social Theory 3 hrs
- SYA 4450 Data Analysis 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/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term

Spanish (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://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
         Prefer STA 1060C Basic Statistics Using Excel 3 hrs

   2. Common Program Prerequisites (CPP)
      - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

      1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
      1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
      1 SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

   1 May 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.

   1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
   1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
   1 SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

   1 May be met by proficiency test or completion of SPN 3234

3. Core Requirements: Basic Level
   SPN 3234 Advanced Directed Readings 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   1 SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
   1 SPN 3420 Spanish Composition 3 hrs
   1 SPN 3760 Advanced Spanish Oral Communication 3 hrs

Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPW 3100</td>
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<tr>
<td>SPW 3101</td>
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<td>or</td>
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<tr>
<td>SPW 3130</td>
<td>3</td>
</tr>
<tr>
<td>SPW 3131</td>
<td>3</td>
</tr>
</tbody>
</table>

   1 A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

5. Restricted Electives (21 hrs)
   Select one of the following 3 hrs
   FOL 3730 Romance Philology 3 hrs
   SPN 4801 Spanish Morphosyntax 3 hrs
   SPN 4800 Spanish-American Syntax 3 hrs
   SPN 4780 Spanish Phonetics 3 hrs
   SPN 3852 Bilinguismo 3 hrs

   Spanish literature beyond the survey level 6 hrs
   - taught in Spanish

5. Restricted Electives (21 hrs)
   Select one: 3 hrs
   SPN 4510 Spanish Civilization and Culture 3 hrs
   SPN 4520 Latin American Civilization and Culture 3 hrs

   Spanish courses 9 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Met by Graduation requirements.

   Graduation
   - Met by Common Program Prerequisites.

E: Science Foundations (6 hrs)

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

   9. Additional Requirements
      - None

   10. Required Minors
      - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or higher in at least 36 credit hours of upper division Spanish courses.
    - Students are required to satisfactorily complete a departmental exit exam. The exam is offered each September and February; students should discuss the optimal test date with their advisor.
    - Computer Competency met by the following or equivalent:
      - CGS 1060C Introduction to 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
Sophomore Year - Fall
AMH 2010  U.S. History: 1492-1877  3 hrs
ARCH 2050  History of Western Art I  3 hrs
PS 2041  American National Government  3 hrs
PH 2111  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  4 hrs

Junior Year - Fall
SPN 3300  Advanced Spanish Grammar and Composition  3 hrs
SPN 3420  Spanish Composition  3 hrs
SPN 3760  Advanced Spanish Oral Communication  3 hrs
Elective / Minor  3 hrs
Elective / Minor  3 hrs

Junior Year - Spring
SPW 3101  Survey of Spanish Literature II  3 hrs
SPN 4780  Spanish Phonetics  3 hrs
SPN 3141  Business Spanish II  3 hrs
Elective / Minor  3 hrs
Elective / Minor  3 hrs

Senior Year - Fall
SPW 3100  Survey of Spanish Literature I  3 hrs
SPN 4520  Latin American Civilization and Culture  3 hrs
SPN 5705  Introduction to Spanish Linguistics  3 hrs
Elective / Minor  3 hrs
Elective / Minor  3 hrs

Senior Year - Spring
SPW 3131  Survey of Latin-American Literature II  3 hrs
SPW 4381  Latin-American Theatre/Poetry  3 hrs
SPN 4410  Advanced Spanish Conversation  3 hrs
Elective / Minor  3 hrs
Elective / Minor  3 hrs

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

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 must 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
   Select 1:  3 hrs
   Prefer STA 1060C Basic Statistics Using Microsoft Excel  3 hrs
   Prefer STA 2014C Principles of Statistics  3 hrs
   D: Social Foundations (6 hrs)
   Prefer POS 2041 American National Government  3 hrs
   Prefer PSY 2012 General Psychology  3 hrs
   E: Science Foundations (7 hrs)
   Required BSC 2010C Biology I  4 hrs
   Prefer PSC 1121 Physical Science  3 hrs

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (18 hrs)

Core Requirements for Sport and Exercise Science: (18 hrs)
PET 2094 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, Strength and Conditioning, or Children’s Physical Activity and Movement
   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.
UCF Degree Programs

Select four courses from the following list (must see advisor)

PET 4401  Administration and Evaluation in Sport and Fitness  3 hrs
PET 4763  Coaching Methods And Principles  3 hrs
SPM 3204  Sports and Ethics  3 hrs
SPM 3415  Public Relations in Sport and Exercise Science  3 hrs

SPM 3504  Fiscal and Facilities: Issues in Sport and Exercise Science  3 hrs
SPM 4723  Legal Issues in Sport and Exercise Science  3 hrs

Coaching Specific Class  3 hrs
PEO 2824  Coaching Basketball or  3 hrs
PEO 3324  Coaching Volleyball or  3 hrs
PEO 3644  Coaching Football  3 hrs

A2. Recreation  27 hrs
PET 3765  Coaching Theory  3 hrs
PET 3820  Teaching Sports Skills I  3 hrs
PET 4002  Outdoor and Leisure Activities  3 hrs
PET 4401  Administration and Evaluation in Sport and Fitness  3 hrs
SPM 3130  Aquatic Management  3 hrs
SPM 3204  Sports and Ethics  3 hrs
SPM 3415  Public Relations in Sport and Exercise Science  3 hrs
SPM 3504  Fiscal and Facilities: Issues in Sport and Exercise Science  3 hrs
SPM 4723  Legal Issues in Sport and Exercise Science  3 hrs

B. Exercise Science Specialization

B1. Human Performance  24 hrs
ZOO 3736C  Exercise Physiology Anatomy  4 hrs
ATR 2010C  Athletic Injuries: Mechanisms and Prevention  3 hrs
PET 3771  Strength and Conditioning Concepts  3 hrs
PET 4050C  Motor Development and Learning  3 hrs
PET 4215  Motivational Aspects of Athletic Performance  3 hrs
PET 4552  Exercise Prescription for Special Populations  3 hrs

B2. Strength and Conditioning  21 hrs
ATR 2010C  Athletic Injuries: Mechanisms and Prevention  3 hrs
PET 3771  Strength and Conditioning Concepts  3 hrs
PET 3765  Coaching Theory  3 hrs
PET 4050C  Motor Development and Learning  3 hrs
PET 4083  Personal Training Methods  3 hrs
PET 4215  Motivational Aspects of Athletic Performance  3 hrs
SPM 4723  Legal Issues in Sport and Exercise Science  3 hrs

B3. Children’s Physical Activity & Movement  24 hrs
- Complete the following required courses and meet with advisor for electives.
  PEO 3041  Games Analysis  3 hrs
  PET 3820  Teaching Sports Skills I  3 hrs
  PET 4050C  Motor Development and Learning  3 hrs
  PET 4710  Methods for Physical Activity for Children and Adolescents  3 hrs

Select four courses from the following list (must see advisor)  12 hrs
SPM 3204  Sports and Ethics or  3 hrs
SPM 3415  Public Relations in Sport and Exercise Science or
PET 3768  Group Exercise Instruction or  3 hrs
PET 3771  Strength and Conditioning Concepts or  3 hrs
PET 4215  Motivational Aspects of Athletic Performance or  3 hrs
EEC 3700  Social and Emotional Development of Young Children or  3 hrs
EEC 4303  Planning Creative Activities in Early Childhood Education or  3 hrs
EEC 4604  Classroom Management and Guidance of Young Children or  3 hrs
EEC 4661  Early Childhood Education Theory and Practice  3 hrs

5. Restricted Electives
- None

6. Capstone Requirements  (12 hrs)
  - PET 3137  Concepts and Practices in Sport and Exercise Science  3 hrs

Select 1:
- PET 4926  Sport and Exercise Science Practicum or  9 hrs
  - Take 3 additional electives in the program approved by the advisor

1 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 the student 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. Should 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
## 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: 6 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
- Specialization course: 6 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
- Select 1: 9 hrs
- PET 3137 Concepts and Practices in Sport and Exercise Science: 3 hrs

### Senior Year - Summer
- Specialization course: 3 hrs

## Statistics (B.S.)

### College of Sciences
- Department of Statistics, Computer Center II, Room: 212

### 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.
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.
  - STA 2023 Statistical Methods I 3 hrs
  - STA 3032 Probability and Statistics for Engineers 3 hrs

1. UCF General Education Program (GEP) (39 hrs)
- Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (7 hrs)
     - Required MAC 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 PSY 2012 General Psychology 3 hrs
       - Required BSC 2010C Biology I 4 hrs
       - Required PHY 2053C College Physics I 4 hrs
       - Required MAC 2311 Calculus with Analytic Geometry I GEP
       - STA 2023 Statistical Methods I GEP
   - F: Social Sciences: Select one. 3 hrs
       - Required ANT 2000 General Anthropology or General Sociology 3 hrs
       - Required PSY 2012 General Psychology or General Sociology 3 hrs
       - Required SYG 2000 Introduction to Sociology 3 hrs
   - G: Economics 3 hrs
     - Prefer ECO 2013 Principles of Macroeconomics 3 hrs
   - H: Social Sciences: Select one. 3 hrs
     - Required CHM 2045C Chemistry Fundamentals I 3 hrs
     - Required CHM 2046 plus Lab Chemistry Fundamentals II 3 hrs
   - I: Physical Science: 4 hrs
     - Required PHY 2053C College Physics I 4 hrs
     - Required MAC 2311 Calculus with Analytic Geometry I CPP
     - STA 2023 Statistical Methods I CPP

2. Common Program Prerequisites (CPP) (15 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including some possible substitutes.
  - COP 3223 Introduction to Programming with C 3 hrs
  - MAC 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
  - STA 2023 Statistical Methods I GEP

Complete two laboratory courses designed for science majors:
- The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.
  - BSC 2010C Biology I or GEP
  - BSC 2011C Biology II or 4 hrs
  - CHM 2045C Chemistry Fundamentals I or GEP
  - CHM 2046 plus Lab Chemistry Fundamentals II or 4 hrs
  - PHY 2053C College Physics I or GEP
  - PHY 2054C College Physics II 4 hrs

3. Core Requirements: Basic Level
- STA 2023 Statistical Methods I GEP/CPP
- MAC 2311 Calculus with Analytic Geometry I GEP/CPP
- MAC 2312 Calculus with Analytic Geometry II CPP
- MAC 2313 Calculus with Analytic Geometry III CPP
- BSC 2010C Biology I GEP/CPP

4. Core Requirements: Advanced Level (43 hrs)
- STA 4102 Computer Processing of Statistical Data 3 hrs
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- COP 3502C Computer Science I 3 hrs
- COT 4500 Numerical Calculus 3 hrs

Select 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
- MIF 3302 Logic and Proof in Mathematics 3 hrs

Select 4: 12 hrs
- STA 3096 Statistical Graphics or 3 hrs
- STA 4173 Biostatistical Methods or 3 hrs
- STA 4183 Theory of Interest or 3 hrs
- STA 4184 Introduction to Derivative Markets or 3 hrs
- STA 4186 Theory of Derivative Pricing or 3 hrs
- STA 4222 Sample Survey Methods or 3 hrs
- STA 4502 Nonparametric Statistical Methods or 3 hrs
- STA 4504 Categorical Data Analysis or 3 hrs
- STA 4664 Statistical Quality Control or 3 hrs
- STA 4852 Applied Time Series 3 hrs

5. Restricted Electives (6 hrs)
- Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.
- Selected courses in engineering or business may be used but must first be approved by the Statistics Department.
- The following courses cannot be used to satisfy this requirement:
  - MAC 2233 Concepts of Calculus 3 hrs
  - MAC 2253 Applied Calculus I 3 hrs
  - MAC 2254 Applied Calculus II 3 hrs
  - MIF 4404 History of Mathematics 3 hrs
  - All MAE courses

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- The following courses from business may be used without prior approval by the Statistics Department.
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - ACG 2071 Principles of Macroeconomics 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs
  - FIN 3403C Business Finance 4 hrs

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each STA course.
- Take SOA Exam P (Probability) and report the score to the department.
- 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 - 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 PHT prefixes will satisfy the CPP. However, the listed biology course is also a core requirement and will need to be taken.
- Statistics: 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/

#### Freshman Year - Fall
- STA 2023: Statistical Methods I 3 hrs
- ENC 1101: Composition I 3 hrs
- MAC 2311: Calculus with Analytic Geometry I 4 hrs
- GEP: 3 hrs

#### Freshman Year - Spring
- ENC 1102: Composition II 3 hrs
- BSC 2010C: Biology I 4 hrs
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- Select one course: 4 hrs
  - CHM 2045C: Chemistry Fundamentals I or
  - PHY 2053C: College Physics I
- GEP: 3 hrs

#### Sophomore Year - Fall
- STACT 2023: Statistical Methods II 3 hrs
- STA 4163: Statistical Methods I 3 hrs
- ECO 2013: Principles of Macroeconomics 3 hrs

#### Sophomore Year - Spring
- COP 3223: Introduction to Programming with C 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- STA 4164: Statistical Methods III 3 hrs

#### Junior Year - Fall
- STA 4521: Statistical Theory I 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs

#### Junior Year - Spring
- STA 4522: Statistical Theory II 3 hrs
- Free Elective 3 hrs
- Core Course 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

#### Senior Year - Fall
- COT 4500: Numerical Calculus 3 hrs
- STA 4102: Computer Processing of Statistical Data 3 hrs
- Core Course 3 hrs
- ENC 3241: Writing for the Technical Professional 3 hrs

#### Senior Year - Spring
- GEP: 3 hrs
- GEP: 3 hrs

### UCF Degree Programs

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<th>Description</th>
<th>Hours</th>
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<td>Department of Educational and Human Sciences, Education Complex, Room: ED 123 N</td>
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<td>Dr. Jo Ann M. Whiteman, ED 123 N, <a href="mailto:jwhitema@mail.ucf.edu">jwhitema@mail.ucf.edu</a>, 407-325-6293 407-823-2848</td>
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<td>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 <a href="http://distrib.ucf.edu/home">http://distrib.ucf.edu/home</a>.</td>
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<tr>
<td>Admission Requirements</td>
<td>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</td>
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<tr>
<td>Degree Requirements</td>
<td>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.</td>
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<tr>
<td>1. UCF General Education Program (GEP) (36 hrs)</td>
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<tr>
<td></td>
<td>A: Communication Foundations (9 hrs)</td>
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<td></td>
<td>Required ENC 1101: Composition I 3 hrs</td>
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<td>Required ENC 1102: Composition II 3 hrs</td>
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<td>Prefer SPC 1608: Fundamentals of Oral Communication 3 hrs</td>
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<td></td>
<td>B: Cultural &amp; Historical Foundations (9 hrs)</td>
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<td></td>
<td>C: Mathematical Foundations (6 hrs)</td>
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<td>D: Social Foundations (6 hrs)</td>
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<td>E: Science Foundations (6 hrs)</td>
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<td>2. Common Program Prerequisites (CPP) (9 hrs)</td>
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<tr>
<td></td>
<td>EDF 2005: Introduction to the Teaching Profession 3 hrs</td>
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<td>EDF 2085: Introduction to Diversity for Educators 3 hrs</td>
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<td></td>
<td>EME 2040: Introduction to Technology for Educators 3 hrs</td>
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<td></td>
<td>3. Core Requirements: Basic Level None</td>
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<td></td>
<td>4. Core Requirements: Advanced Level (57 hrs)</td>
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<td>ADE 4382: Teaching Adult Learners in Technical Programs 3 hrs</td>
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<td>ECT 3062: Professional Role of the Vocational Teacher 3 hrs</td>
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<td>ECT 3365: General Methods/Testing Evaluation in Career &amp; Technical Education 3 hrs</td>
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<td></td>
<td>ECT 3367: Evaluation of Vocational Instruction 3 hrs</td>
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<td></td>
<td>ECW 3564: Special Populations in Career &amp; Technical Education 3 hrs</td>
<td></td>
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</tbody>
</table>
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:  3 hrs
BTE 4410  Course Construction in Business Education  3 hrs
or
ECW 3312  Course Construction in Health Occupations Education 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  (18 hrs)
  Upper Division Electives  6 hrs
  ■ With advisor’s approval
Directed Field Experience  12 hrs
■ The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.
6. Capstone Requirements
■ None
7. Foreign Language Requirements
Admissions
■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
Graduation
■ None
8. Electives
■ None
9. Additional Requirements
■ None
10. Required Minors
■ None
11. Departmental Exit Requirements
■ Achieve a minimum 2.5 GPA in all courses within the major.
12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, 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:  3 hrs
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:  3 hrs
ECW 3312  Course Construction in Health Occupations Education or
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.oelas.ucf.edu/alc/academic_learning_compacts.htm

UNIVERSITY OF CENTRAL FLORIDA

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
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](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](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](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 audition.
- 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 assignment, and the final one can be chosen by the student.
- Prior to graduation, all BFA Design & Technology and Stage Management majors (including transfers) must participate in at least 4 productions in addition to their Stagecraft I and II Labs. At least two participation credits must be in an advanced production position. The other two credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.
- All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department’s Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- Design & Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.
- All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Students must follow the most recent department student handbooks which are available on the department website at [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu).
- Courses designated 2 (Common Program Prerequisites) are usually taken in the first 80 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)

<table>
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<tr>
<th>Component</th>
<th>Hours</th>
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<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>(9 hrs)</td>
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<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>1 Required</td>
<td>3 hrs</td>
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<tr>
<td>2 Required</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
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)
1 Required MGF 1106 Finite Mathematics 3 hrs
1 Required STA 106C 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.

1 THE 2020 Survey of Theatre for Majors GEP
1 THE 2304 Script Analysis 3 hrs
THE 2090L Theatre Participation-Management I 1 hr
TPA 2290L Theatre Participation-Production I 1 hr
1 TPP 3310C Directing for Theatre I 3 hrs

Acting 3 hrs

■ Acting specialization take Acting I, Design & Technology and Stage Management take Fundamentals of Acting
TPP 2110C Acting I - Introduction or
TPP 2101 Fundamentals of Acting 3 hrs

Technical Theatre Production or Stagecraft I

■ Acting Select Technical Theatre Production sequence. Design & Technology and Stage Management select Stagecraft I.
TPA 2201 Technical Theatre Production and 2 hrs
TPA 2201L Technical Theatre Production Lab 1 hr
or
TPA 2210 Stagecraft I 3 hrs

Acting II or Stagecraft II

■ Acting Specialization take Acting II. Design & Technology and Stage Management take Stagecraft II sequence.
TPP 2170C Acting II - The Actor Prepares 3 hrs
or
TPA 2211 Stagecraft II 3 hrs

Design Basics or Elective

■ Design & Technology and Stage Management select TPA 2000C. Acting Select Elective.
TPA 2000C Theatre Design Basics 3 hrs
or
Theatre Elective offered by Theatre Department (DAA, THE, TPA, TPP Prefix) 3 hrs

1 *See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (9 hrs)
THE 3311 Theatre History and Dramatic Literature I 3 hrs
THE 3312 Theatre History and Dramatic Literature II 3 hrs
THE 3313 Theatre History and Dramatic Literature III 3 hrs
THE 2081C Introduction to UCF Theatre 0 hrs
THE 4954 Theatre Exit Critique 0 hrs

4. Core Requirements: Advanced Level (64 hrs)

Specialization: select one area

Acting Specialization 61 hrs
TPA 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
TPP 4142C Acting Verse and 3 hrs
TPP 4265C Camera Acting and 3 hrs
TPP 4531C Period Movement and 2 hrs
TPP 4221 Auditioning and 3 hrs
TPP 4223C Theatre Careers for Performance and 3 hrs
TPP 2190L Theatre Participation-Performance I and 1 hr
TPP 4940L Theatre Internship and 6 hrs
Restricted Electives (see list of courses) 12 hrs

Select 1: 2 hrs
DAA 2570C Jazz Dance I or 2 hrs
DAA 2100C Modern Dance I 2 hrs

Select 1: 1 hr
TPP 4293L Theatre Participation-Production II or 1 hr
THE 4093L Theatre Participation-Management II or 1 hr
TPP 4193L Theatre Participation-Performance II 1 hr
Stage Management Specialization 61 hrs
TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
1 TPA 4293L Theatre Participation-Production II and 1 hr
1 TPA 4293L Theatre Participation-Production III and 1 hr
TPP 4400 Theatre Management and 3 hrs
TPP 2010C Scenography and 3 hrs
TPA 2220C Stage Electronics and 3 hrs
TPP 2600 Stage Management Basics and 3 hrs
TPP 3601 Stage Management and 3 hrs
TPP 4602 Advanced Stage Management and 3 hrs
TPA 3195L Summer Theatre Studio/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Design II and 3 hrs
THE 4284 Period Costume, Architecture, and Decor I and 3 hrs
THE 4285 Period Costume, Architecture, and Decor II and 3 hrs
TPP 4400 Theatre Management and 3 hrs
TPP 2010C Scenography and 3 hrs
TPP 2170C Introduction to Theatre Production 2 hrs
Documentation and 3 hrs
TPA 3060C Scene Design for Theatre I or TPP 3040C
Costume Design for Theatre I and 3 hrs
TPP 4940L Theatre Internship and 6 hrs
Restricted Electives (see list of courses) 8 hrs

Select 1: 3 hrs
TPP 3221C Lighting Design for Theatre I or 3 hrs
TPA 3260C Sound Design for Theatre I 3 hrs

Design & Technology Specialization 64 hrs
ARH 2051 History of Western Art II and 3 hrs
TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
TPA 2170C Introduction to Theatre Production 2 hrs
Documentation and 3 hrs
TPP 2220C Stage Electronics and 3 hrs
1 TPA 4293L Theatre Participation-Production II and 1 hr
1 TPA 4293L Theatre Participation-Production III and 1 hr
TPA 2071C Theatre Rendering and 3 hrs
TPP 2010C Scenography and 3 hrs
THE 4284 Period Costume, Architecture, and Decor I and 3 hrs
THE 4285 Period Costume, Architecture, and Decor II and 3 hrs
TPA 3195L Summer Theatre Studio/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Design II and 3 hrs
TPPA 2230C Costume Construction and 3 hrs
TPP 4250C CADD for Theatre and 2 hrs
TPP 4251C Advanced CADD for Theatre and 2 hrs
TPP 4401C Theatre Careers in Production and 3 hrs
TPP 3077C Scene Painting and 3 hrs
TPP 2600 Stage Management Basics and 3 hrs
TPP 3601 Stage Management and 3 hrs
TPP 4602 Advanced Stage Management and 3 hrs
TPA 3195L Summer Theatre Studio/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Design II and 3 hrs
THE 4284 Period Costume, Architecture, and Decor I and 3 hrs
THE 4285 Period Costume, Architecture, and Decor II and 3 hrs
TPP 3077C Scene Painting and 3 hrs
TPP 2600 Stage Management Basics and 3 hrs
TPP 3601 Stage Management and 3 hrs
TPP 4602 Advanced Stage Management and 3 hrs
THE 4284 Period Costume, Architecture, and Decor I and 3 hrs
THE 4285 Period Costume, Architecture, and Decor II and 3 hrs
TPA 3195L Summer Theatre Studio/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Design II and 3 hrs
TPP 4401C Theatre Careers in Production and 3 hrs
TPP 2010C Scenography and 3 hrs
TPP 2170C Introduction to Theatre Production 2 hrs
Documentation and 3 hrs
TPP 2220C Stage Electronics and 3 hrs
1 TPA 4293L Theatre Participation-Production II and 1 hr
1 TPA 4293L Theatre Participation-Production III and 1 hr
TPA 4401C Theatre Careers in Production and 3 hrs
TPP 2010C Scenography and 3 hrs
TPP 2170C Introduction to Theatre Production 2 hrs
Documentation and 3 hrs
TPP 3060C Scene Design for Theatre I or TPP 3040C
Costume Design for Theatre I and 3 hrs
TPP 4940L Theatre Internship and 6 hrs
Restricted Electives (see list of courses) 8 hrs

Select 1: 3 hrs
TPP 3221C Lighting Design for Theatre I or 3 hrs
TPA 3260C Sound Design for Theatre I 3 hrs

1 This course is taken twice
5. Restricted Electives
■ (except where required for a specialization - see specializations for credit hours)
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
- 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

Honor 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 may use any introductory course, however, 3 hrs
  - 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 2020 at UCF as a theatre elective.
  - THE 2304 may use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute. 3 hrs
  - TPA 2210 may be substituted with any introductory Stagecraft course. Lab will still need to be taken. 3 hrs
  - TPA 2201 may be substituted with any introductory Stagecraft course. 3 hrs
  - TPP 3310C may be substituted with TPP 2300 3 hrs
  - TPP 3310C may be substituted with TPP 2300 3 hrs

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

UNIVERSITY OF CENTRAL FLORIDA

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>THE 2250</td>
<td>Sex, Drugs, &amp; the Rock and Roll Musical</td>
<td>3 hrs</td>
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<tr>
<td>THE 3383</td>
<td>Taboo Theatre: Sex &amp; Violence on Stage</td>
<td>3 hrs</td>
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<tr>
<td>THE 4543</td>
<td>Theatre for Social Change</td>
<td>3 hrs</td>
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<td>THE 4423</td>
<td>Women in Theatre</td>
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<tr>
<td>TPA 2210</td>
<td>Makeup Techniques</td>
<td>2 hrs</td>
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<td>TPA 2248C</td>
<td>Costume Design for Theatre I</td>
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<tr>
<td>TPA 2600</td>
<td>Stage Management Basics</td>
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<td>TPA 3040C</td>
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<td>TPA 3221C</td>
<td>Costume Design for Theatre II</td>
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<td>Sound Design for Theatre II</td>
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<td>TPA 4284C</td>
<td>Advanced Topics in Technical Theatre</td>
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<td>TPA 4285</td>
<td>Period Costume, Architecture, and Decor II</td>
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<td>TPP 4143C</td>
<td>Acting Styles</td>
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<td>TPP 4193L</td>
<td>Summer Theatre Studio/Tech/Design</td>
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<td>TPP 4293L</td>
<td>Theatre Participation-Production II</td>
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<tr>
<td>TPP 4311C</td>
<td>Advanced Directing for Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4393L</td>
<td>Theatre Participation-Performance II</td>
<td>1 hr</td>
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<tr>
<td>TPP 4400</td>
<td>Theatre Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4413C</td>
<td>Theatre Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4543</td>
<td>Theatre for Social Change</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4274</td>
<td>Global Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4260</td>
<td>Taboo Theatre: Sex &amp; Violence on Stage</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4284</td>
<td>Period Costume, Architecture, and Decor II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4193L</td>
<td>Summer Theatre Studio/Tech/Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4243C</td>
<td>Circus Arts</td>
<td>2 hrs</td>
</tr>
<tr>
<td>THE 3905</td>
<td>Directed Independent Study</td>
<td>1 hr</td>
</tr>
<tr>
<td>DAA 3905</td>
<td>Directed Study</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 4912</td>
<td>Directed Independent Research</td>
<td>1 hr</td>
</tr>
<tr>
<td>DAA 4912</td>
<td>Directed Independent Research</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 4423</td>
<td>Women in Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4543</td>
<td>Theatre for Social Change</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4121</td>
<td>Global Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4383</td>
<td>Taub Theatre: Sex &amp; Violence on Stage</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4250</td>
<td>Sex, Drugs, &amp; the Rock and Roll Musical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Honors in the Major Directed Readings and Thesis</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

1 Other THE, TPP, DAA, or DAN courses taught by and approved by the department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

1. Design Electives
   - (for Design and Technology Specialization)
   - Select three
   - TPA 3060C Scenic Design for Theatre I 3 hrs
   - TPA 3040C Costume Design for Theatre I 3 hrs
   - TPA 3221C Lighting Design for Theatre I 3 hrs
   - TPA 3260C Sound Design for Theatre I 3 hrs

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
- (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.

UCF Degree Programs
317 Undergraduate Catalog 2011-2012
The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors.
- Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at http://www.theatre.ucf.edu.
- A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit http://www.theatre.ucf.edu for details.
- All students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a 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 departmental advisor may lead to release from the program.

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 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 departmental advisor may lead to release from the program.

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 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 departmental advisor may lead to release from the program.

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 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 departmental advisor may lead to release from the program.
4. Core Requirements: Advanced Level (50 hrs)
- TPP 3172C Acting III - Building the Character 3 hrs
- TPP 4140C Acting IV - Creating the Role 3 hrs
- TPP 3220C Musical Theatre Acting I 3 hrs
- TPP 3252 Musical Theatre Acting II 3 hrs
- THE 4244 Musical Theatre History I 3 hrs
- THE 4245 Musical Theatre History II 3 hrs
- THE 3511 Theatre History and Dramatic Literature I 3 hrs
- THE 3512 Theatre History and Dramatic Literature II 3 hrs
- TPP 3257C Musical Theatre Voice I 2 hrs
- TPP 3258C Musical Theatre Voice II 2 hrs
- TPP 4259C Musical Theatre Voice III 2 hrs
- TPP 4292C Musical Theatre Voice IV 2 hrs
- TPP 4746C Musical Theatre Repertoire 2 hrs
- TPP 4940L Theatre Internship 6 hrs
- TPA 4253C Musical Theatre Acting III 3 hrs
- TPA 4223C Theatre Careers for Performance 3 hrs
- THE 4954 Theatre Exit Critique 0 hrs

Select 1: 2 hrs
- (1 credit course, must be taken twice)
  - TPA 4293L Theatre Participation-Production II 1 hr
  - THE 4093L Theatre Participation-Management II 1 hr

Movement Electives 2 hrs
- Any DAA or DAN courses not already required, taught by the department, and with departmental approval.

Select 1: 2 hrs
- TPP 4531C Period Movement or 2 hrs
- TPP 4512C Stage Combat 2 hrs

5. Restricted Electives (1 hr)

- Chosen from the following
  - DAN 3134 Dance History I 3 hrs
  - DAA 3512 Dance Improvisation/Composition I 3 hrs
  - DAA 2100C Modern Dance I 2 hrs
  - DAA 3664 Dance Performance 1 hr
  - DAA 2521C Tap Dance II 2 hrs
  - DAA 3524C Tap Dance III 2 hrs
  - DAA 3208C Ballet III 2 hrs
  - DAA 2101C Modern Dance II 2 hrs
  - DAA 3108C Modern Dance III 2 hrs
  - DAA 2393C World Dance 2 hrs
  - DAA 3645 Choreography Practicum 2 hrs
  - TPP 4730C Dialects 2 hrs
  - TPP 4142C Acting Verse 3 hrs
  - TPP 4265C Camera Acting 3 hrs
  - TPP 4268C Acting VII Advanced Acting For TV/Film 3 hrs
  - THE 4220C Cultural Diversity in Theater 3 hrs
  - THE 5307C Contemporary Theatre Practice 3 hrs
  - TPA 3195L Summer Theatre Studio/Tech/Design I 3 hrs
  - TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs
  - TPA 3197L Summer Theatre/Performance 3 hrs
  - TPA 3952L Summer Studio Performance 3 hrs
  - TPP 4143C Acting Styles 3 hrs
  - TPA 2600 Stage Management Basics 3 hrs
  - TPA 4400 Theatre Management 3 hrs
  - THE 4284 Period Costume, Architecture, and Decor I 3 hrs
  - THE 4285 Period Costume, Architecture, and Decor II 3 hrs
  - TPA 4221 Auditioning 3 hrs
  - THE 3313 Theatre History and Dramatic Literature III 3 hrs
  - TPA 4311C Advanced Directing for Theatre 3 hrs
  - THE 4093L Theatre Participation-Management II 1 hr
  - TPA 4293L Theatre Participation-Production II 1 hr
  - TPP 4193L Theatre Participation-Performance II 1 hr
  - TPA 3601 Stage Management 3 hrs
  - TPP 4512C Stage Combat 2 hrs
  - TPP 4243C Circus Arts 2 hrs
  - THE 4423 Women in Theatre 3 hrs
  - THE 4543 Theatre for Social Change 3 hrs
  - THE 4212 Global Theatre 3 hrs
  - THE 35330 Tabon Theatre: Sex & Violence on Stage 3 hrs
  - THE 2250 Sex, Drugs, & the Rock and Roll Musical 3 hrs

Honors in the Major Directed Readings and Thesis 3-6 hrs
- THE 4912 Undergraduate Research (see #1 footnote) 3-6 hrs
- THE 3095 Independent Study (see #1 footnote) 1-9 hrs

1 Other THE, TPA, TPP, DAA or DAN courses not already required and as approved by the department requires instructor and departmental approval in advance.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each Theatre course
- Maintain a “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. Courses that count in the GEP cannot also count towards total theatre credits.
- Computer Competency met by STA 1060C or a computer science course.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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
- 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.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

1 THE 2020 Survey of Theatre for Majors 3 hrs

may be substituted with:
UCF Degree Programs

Theatre Studies (B.A.)
College of Arts and Humanities
Department of Theatre, University Tech Center, Room: 1.80
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 possible release from the program.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor each semester before registering. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- All BA Theatre Studies students must register for three semesters of Theatre Participation in addition to the Technical Theatre Production Lab. One Participation credit must be as part of a run crew. One Participation credit must be as part of a Front of House crew. The third required Participation credit can be in either performance, shop assignments, run crews or Front of House.
- All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “D” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Required THE 2020 Survey of Theatre for Majors 3 hrs
Select one course from 1.B.1 list 3 hrs
Select one course from 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
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 TPA 2201 Technical Theatre Production 2 hrs
TPP 2300 Stage Speech/Voice 3 hrs
TPP 2700C Stage Speech/Voice 3 hrs

1 Selection Notes for possible substitutes

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (10 hrs)

THE 3311 Theatre History and Dramatic Literature I 3 hrs
THE 3312 Theatre History and Dramatic Literature II 3 hrs
THE 3313 Theatre History and Dramatic Literature III 3 hrs
THE 2081C Introduction to UCF Theatre 0 hrs
THE 4954 Theatre Exit Critique 0 hrs

Select 1: 1 hr
TPA 4293L Theatre Participation-Production II or TPA 4903L Theatre Participation-Production II 1 hr

5. Restricted Electives (16 hrs)

- Select 16 hours from the following:
THE 4230 Cultural Diversity in Theater 3 hrs
THE 3082 Theatre Careers 3 hrs
TPP 4143C Acting Styles 3 hrs
TPP 3264C Acting on Camera 3 hrs
THE 2025 Introduction to Theatrical Design 3 hrs
THE 3240 Musical Theatre Survey 3 hrs
1 THE 4093L Theatre Participation-Management II 1 hr
1 TPA 4293L Theatre Participation-Production II 1 hr

Note: All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “D” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

1 Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.

1 may substitute a higher level math

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Required THE 2020 Survey of Theatre for Majors 3 hrs
Select one course from 1.B.1 list 3 hrs
Select one course from 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
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 TPA 2201 Technical Theatre Production 2 hrs
TPP 2300 Stage Speech/Voice 3 hrs
TPP 2700C Stage Speech/Voice 3 hrs

1 Selection Notes for possible substitutes

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (10 hrs)

THE 3311 Theatre History and Dramatic Literature I 3 hrs
THE 3312 Theatre History and Dramatic Literature II 3 hrs
THE 3313 Theatre History and Dramatic Literature III 3 hrs
THE 2081C Introduction to UCF Theatre 0 hrs
THE 4954 Theatre Exit Critique 0 hrs

Select 1: 1 hr
TPA 4293L Theatre Participation-Production II or TPA 4903L Theatre Participation-Production II 1 hr

5. Restricted Electives (16 hrs)

- Select 16 hours from the following:
THE 4230 Cultural Diversity in Theater 3 hrs
THE 3082 Theatre Careers 3 hrs
TPP 4143C Acting Styles 3 hrs
TPP 3264C Acting on Camera 3 hrs
THE 2025 Introduction to Theatrical Design 3 hrs
THE 3240 Musical Theatre Survey 3 hrs
1 THE 4093L Theatre Participation-Management II 1 hr
1 TPA 4293L Theatre Participation-Production II 1 hr
1 TPP 4193L Theatre Participation-Performance II 1 hr
1 THE 5307 Contemporary Theatre Practice 3 hrs
1 TPA 2246C Makeup Techniques 2 hrs
THE 4284 Period Costume, Architecture, and Decor II 3 hrs
THE 4285 Period Costume, Architecture, and Decor II 3 hrs
TPA 3195L Summer Theatre Studio/Design I 3 hrs
TPA 3197L Summer Theatre Studio/Design II 3 hrs
1 TPA 2600 Stage Management Basics 3 hrs
TPA 4400 Theatre Management 3 hrs
TPP 3103 Intermediate Acting 3 hrs
TPP 3197L Summer Theatre Performance 3 hrs
TPP 3952L Summer Studio Performance 3 hrs
1 TPP 4311C Advanced Directing for Theatre 3 hrs
TPA 3601 Stage Management 3 hrs
TPP 4243C Circus Arts 2 hrs
THE 4912 Directed Independent Research 1 hr
TPP 4512C Stage Combat 2 hrs
THE 4423 Women in Theatre 3 hrs
THE 4543 Theatre for Social Change 3 hrs
THE 4212 Global Theatre 3 hrs
THE 3383 Taboo Theatre: Sex & Violence on Stage 3 hrs
THE 2250 Sex, Drugs, & the Rock and Roll Musical 3 hrs
Any DAA or DAN courses taught by the theatre department with departmental approval Honors in the Major Directed Readings and Thesis (see #1 footnote) 3 hrs

1 Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Met by graduation requirement
Graduation
■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
■ None

10. Required Minors
■ Theater Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes.
University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor. 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 department 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 the 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 2304 Script Analysis 3 hrs
may be substituted with: THE 2300 Script Analysis 3 hrs
may be substituted with: THE 3305 Technical Theatre Production 2 hrs
may be substituted with: TPA 2210 Technical Theatre Production 2 hrs
may be substituted with: TPP 2300 Fundamentals of Acting 3 hrs
2 TPP 2300 Directing for Theatre I 3 hrs
may be substituted with: TPP 3100C Directing for Theatre I 3 hrs
may be substituted with: TPP 3101C Directed Readings and Thesis (see #1 footnote) 3 hrs
may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
2 may use any introductory acting course

Plan of Study
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.odas.ucf.edu/aic/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.

### Minors
- Accounting
- Actuarial Science
- Aerospace Studies
- African American Studies
- Aging Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Art - Studio
- Art History
- Asian Studies
- Astronomy
- Bioengineering
- Biology
- Biomedical Sciences
- Business
- Chemistry
- Coaching
- Cognitive Sciences
- Communication Sciences and Disorders
- Community Arts - PAVE
- Computer Science
- Crime, Law, and Deviance
- Criminal Justice
- Dance
- Digital Media
- Diversity and Social Inequality
- Early Childhood Development and Education
- Economic Policy
- Economics
- Education
- Emergency Management and Homeland Security
- Energy and Sustainability
- Engineering Leadership
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English Language Arts Education
- Entrepreneurship
- Environmental Studies
- European Studies
- Exceptional Education
- Film - Cinema Studies
- Finance
- Fitness Training
- Foreign Language Education
- French
- German
- Health Informatics
- and Information Management
- Health Sciences
- Health Services Administration
- History
- Hospitality Management
- Humanities
- Information Technology
- Intelligent Robotic Systems
- Interdisciplinary Informatics Technology
- International and Global Studies
- International Business
- International Engineering
- Interpersonal/Organizational Communication
- Italian
- Journalism Studies
- Judaic Studies
- Latin American Area Studies

- Leadership Studies
- Legal Studies
- Magazine Journalism
- Marketing
- Mass Communication
- Mass Culture and Collective Behavior
- Mathematics
- Mathematics Education
- Medical Anthropology
- Medical Sociology
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Military Science
- Music
- Nonprofit Management/American Humanics
- National Certification Program
- North American Indian Studies
- Performing Arts Administration
- Philosophy
- Philosophy, Religion and Popular Culture
- Physics
- Political Science
- Political Science/Prelaw
- Psychology
- Public Administration
- Real Estate
- Recreation
- Religious Studies
- Science Education
- Secure Computing and Networks
- Social Science Education
- Sociology
- Spanish
- Sport Business Management
- Statistics
- Technical Education and Industry Training
- Technological Entrepreneurship
- Theatre
- Urban and Regional Planning
- Women’s Studies
- World Comparative Studies
- Writing and Rhetoric

### Certificates
- Aging Studies Certificate
- Behavioral Forensics Certificate
- Children’s Services Certificate
- Crime Analysis and Crime Mapping Certificate
- Crime Scene Investigation Certificate
- Criminal Profiling Certificate
- Cultural Tourism Certificate
- Diplomacy Certificate
- Educational Studies Certificate
- Finance: Banking Certificate
- Finance: Corporate Finance Certificate
- Finance: Investments Certificate
- Judaic Studies Certificate
- Language Development and Disorders Certificate
- Leadership Studies Certificate
- Marketing: e-Marketing Certificate
- Marketing: Entertainment Marketing Certificate
- Marketing: Healthcare Marketing Certificate
- Marketing: Retailing Management Certificate
- Marketing: Selling and Sales Management Certificate
- Marketing: Services Marketing Certificate
- Marketing: Sport Marketing Management Certificate
- Military Science Certificate
- Nonprofit Management Certificate
- Public and Professional Writing Certificate
- Real Estate: Mortgage Brokerage Certificate
- Real Estate: Real Estate Appraisal Certificate
- Real Estate: Real Estate Brokerage Certificate
- Security Management Certificate
- Service-Learning Certificate
- Substitute Teaching Certificate
- Teaching English as a Foreign Language Certificate
- Translation and Interpretation Certificate
- Victim Advocacy Certificate
- Women’s Studies Certificate

### 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
Minors

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
- ACG 3381 Cost Accounting I 3 hrs

Restricted Electives (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 3141 Intermediate Financial Accounting II 3 hrs
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- ACG 4651 Auditing 3 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4453 Financial Models 3 hrs
- 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.
- 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.
- ECO 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)
- AFR 1111C 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 3520 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/Seminoles 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

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:
  - GEY 5007 Women and Health 2 hrs
  - HSA 4220 Long Term Care and Administration 3 hrs
  - HSA 4240 Legal Needs of the Elderly 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

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 Care and Administration 3 hrs
- HSA 4240 Legal Needs of the Elderly 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs

Other Colleges
- DEP 4364 Psychology of Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- GEY 5007 Women and Healthy Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs

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 4201 Literature of the South or 3 hrs
- AML 3682 Ethnic Literature in America 3 hrs

Social Sciences (3 hrs)
Select 1:
- POS 3413 The American Presidency or 3 hrs
- POT 3204 American Political Thought or 3 hrs
- SYD 3700 Race and Ethnicity or 3 hrs
- SYP 3630 Popular Culture in Society 3 hrs

History (3 hrs)
Select 1:
- ANH 3561 Women in American History I or 3 hrs
- ANH 4110 Colonial America, 1607-1763 or 3 hrs
- ANH 4130 The Age of the American Revolution, 1763-1789 or 3 hrs
- ANH 4311 American Culture I or 3 hrs
- ANH 4313 American Culture II 3 hrs

Restricted Electives (12 hrs)
■ 12 additional upper level hours. Select courses not already used from lists above.

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” (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. Ailen 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 2410 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 4824Advanced 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 or 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4462</td>
<td>Medical Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4467</td>
<td>Nutritional Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4516</td>
<td>Human Biological Diversity or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4521</td>
<td>Forensic Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4525C</td>
<td>Human Osteology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ANT 4528C</td>
<td>Advanced Forensic Anthropology or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ANT 4560</td>
<td>Anthropoligical Perspectives on Human Growth or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4586</td>
<td>Human Origins or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5742</td>
<td>Problems in Forensic Anthropology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

* or its graduate equivalent.

**D. Concentration in Cultural Anthropology** 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Complete at least four of the following courses; 12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3152</td>
<td>Indians of the Southwest or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples of the World or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3241</td>
<td>Magic, Ritual, and Belief or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3262</td>
<td>Rural Society or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3273</td>
<td>Law and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3311</td>
<td>Indians of the Southeastern United States or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3312</td>
<td>Ethnology of North American Indians or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3313</td>
<td>Indians of North America High Plains or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3314</td>
<td>Indians of the Northeast Woodlands or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3318</td>
<td>Indians of the Northwest Coast or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3398</td>
<td>Black/Semiole Relations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4332</td>
<td>People and Cultures of Latin America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4303</td>
<td>Anthropology of Tourism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3701</td>
<td>Applied Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4702</td>
<td>Culture, Power and Development or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4802</td>
<td>Ethnographic Field Methods or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3363</td>
<td>Anthropology of Japan or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 3610</td>
<td>Language and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4340</td>
<td>Carribbean Cultures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3319</td>
<td>Anthropology of Diaspora or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4034</td>
<td>History of Anthropological Thought or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4266</td>
<td>Economic Anthropology: Production, Consumption, and Exchange or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4308</td>
<td>Gender Issues in Latin America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4352</td>
<td>African Societies and Cultures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4354</td>
<td>Postcolonial Africa or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4408</td>
<td>Culture, Disease, and Healing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5167</td>
<td>Maya Hieroglyphs or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5228</td>
<td>Maya Iconography or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5622</td>
<td>Language, Culture and Pedagogy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

* or its graduate equivalent.

**Minor Admission Requirements**
- None

**Minor Requirements**
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses** (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2200</td>
<td>General Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives** (15 hrs)

- Select five of the following. Substitutions require prior consent of the Anthropology Coordinator.
- 1 ANT 3164 Ancient Incas
- 1 ANT 3212 Peoples of the World
- 1 ANT 3241 Magic, Ritual, and Belief
- 1 ANT 3245 Native American Religions
- 1 ANT 3302 Sex, Gender and Culture
- 1 ANT 3312 Ethnology of North American Indians
- 1 ANT 3398 Black/Semiole Relations
- 1 ANT 3319 Anthropology of Diaspora
- 1 ANT 3541 Biobehavioral Anthropology
- 1 ANT 3701 Applied Anthropology
- 1 ANT 4266 Economic Anthropology: Production, Consumption, and Exchange
- 1 ANT 4308 Gender Issues in Latin America
- 1 ANT 4516 Human Biological Diversity
- SYD 3700 Race and Ethnicity
- 1 ANT 4332 People and Cultures of Latin America
- 1 ANT 3610 Language and Culture
- 1 ANT 4340 Caribbean Cultures
- 1 ANT 4503 Anthropology of Tourism
- 1 ANT 4467 Nutritional Anthropology
- 1 ANT 4702 Culture, Power and Development
- 1 ANT 4408 Culture, Disease, and Healing

* 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](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.

---

**Art - Studio - Minor**

**College of Arts and Humanities**

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


Donna Mercado, 407-823-6100

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3950</td>
<td>Portfolio Review</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives** (6 hrs)

- Six semester hours of studio art in one area of specialization at the 3000-4000 level
Assessment and Design. A minimum GPA of 2.0 is required in all courses used to satisfy the minor. Students must satisfy each course’s prerequisites before enrolling in the class. Grades below “C” (2.0) in lower level courses are not accepted. At least fifteen credits hours must be earned in upper level credits.

Other Requirements

- At least 9 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.

The minor is not open to Physics majors with an Astronomy specialization.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (20 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002</td>
<td>Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 2002L</td>
<td>Astronomy Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>AST 3110</td>
<td>Solar System Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3211</td>
<td>Stellar Astrophysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3402</td>
<td>Galaxies and Cosmology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3722C</td>
<td>Techniques of Observational Astronomy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives

- Approved courses (see department for listing)

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.
- 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.

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3401</td>
<td>Asian Humanities</td>
</tr>
</tbody>
</table>

Restricted Electives (18 hrs)

- Approved courses (see department for listing)

Foreign Language Requirements

- One year or the equivalent proficiency examination (0-8 hrs).
- Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g. Chinese, Japanese).

Total Semester Hours Required

- 21

Other Requirements

- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

Astronomy - Minor

College of Sciences

Department of Physics, 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)

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>AST 2002</td>
<td>Astronomy</td>
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<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
</tr>
<tr>
<td>AST 3110</td>
<td>Solar System Astronomy</td>
</tr>
<tr>
<td>AST 3211</td>
<td>Stellar Astrophysics</td>
</tr>
<tr>
<td>AST 3402</td>
<td>Galaxies and Cosmology</td>
</tr>
<tr>
<td>AST 3722C</td>
<td>Techniques of Observational Astronomy</td>
</tr>
</tbody>
</table>

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) a one semester course for students with a strong chemistry background and a high Chemistry Placement score - A one semester course for students with a strong chemistry background and a high Chemistry Placement score.

Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school un-weighted 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 I 1 hr
- CHM 2210 Organic Chemistry I 3 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
6 hrs
Select 1:
- 3 hrs
- EMA 5584 Biomatertials 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
6 hrs
Select 1:
- 3 hrs
- CAP 5512 Evolutionary Computation or 3 hrs
- COP 6417 Algorithms on Strings and Sequences 3 hrs

Select 1:
- 3 hrs
- BCH 4053 Biochemistry I or 3 hrs
- BSC 3403C Quantitative Biological Methods or 4 hrs
- BSC 5418 Tissue Engineering or 3 hrs
- MCB 3020C General Microbiology or 5 hrs
- PCB 3522 Molecular Biology I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- ZOO 3744 Neurobiology or 3 hrs
- PCB 3063 Genetics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 41

Other Requirements
- Open only to engineering and computer science majors.
- A grade of “B” (3.0) or better is required in each course used to satisfy the minor.
- The Bachelors of Science must be completed in order for the minor to be awarded.

Biology - Minor
College of Sciences
Department of Biology, Biology, Room: 301
http://www.cos.ucf.edu/biology
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.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours 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 2046L Chemistry Fundamentals Laboratory I 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- EGN 4941 Internship 1 hr

Restrictd Electives
- Students with little chemistry background should take this two semester equivalent instead.

- 3 hrs
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

NOTE: These courses are considered as equivalent.
- 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
- CHM 2045C Chemistry Fundamentals I 4 hrs

- Students with little chemistry background should take this two semester equivalent instead.

- 3 hrs
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

- None
Foreign Language Requirements

- None

Total Semester Hours Required

- 31

Other Requirements

- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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: 3 hrs

- PCB 3233 Immunology or
- 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

- 33

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.
- 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 below “C” (2.0) 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 12 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
Cognitive Sciences - 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, neuromaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
(15 hrs)
- Neuroscience
  - PSB 3002 Physiological Psychology or 3 hrs
  - PSB 4240C Neuropsychology or 3 hrs
  - PSB 4422 Brainwaves and Behavior or 3 hrs
  - ZOO 3744 Neurobiology 3 hrs
- Philosophy
  - PHI 3320 Philosophy of Mind or 3 hrs
  - PHI 3323 Minds and Machines: Philosophy of 3 hrs
  - PHI 3451 Philosophy of Psychology or 3 hrs
  - PHI 4341 Ways of Knowing or 3 hrs
  - PHI 4400 Philosophy of Science or 3 hrs
  - PHI 4935 Topics in Philosophy of Mind 3 hrs
- Psychology
  - EXP 3204C Perception or 4 hrs
  - EXP 3604C Cognitive Psychology or 4 hrs
  - EXP 4507C Advanced Human Memory and Cognition 3 hrs
- Computer Science and Information 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 4 hrs
  - Fundamentals
- Language and Linguistics
  - ANT 3610 Language and Culture or 3 hrs
  - LIN 3010 Principles of Linguistics or 3 hrs
  - LIN 3716 Language Development or 3 hrs
  - LIN 3717 Language Development: 9 - 18 Years or 3 hrs
  - PHI 4221 Philosophy of Language or 3 hrs
  - PSY 3703 Psychology of Language 3 hrs

Restricted Electives
(6 hrs)
- Select 2:
  - 3 hrs
    - ANT 3541 Biobehavioral Anthropology or 3 hrs
    - ANT 3550 Primatology 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 Compresssion 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 3 hrs
    - Processing or
    - EXP 3204C Perception or 4 hrs
    - LIN 4711 Language Analysis or 3 hrs
    - LIN 4711L Language Analysis Lab or 1 hr
COMMUNICATION SCIENCES AND DISORDERS - MINOR

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs, Room: 101

http://www.cohpa.ucf.edu/comdis/

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

SPA 3471 Communication Disorders in Literature and Media 3 hrs
SPA 3112 Basic Phonetics 3 hrs
SPA 3112L Basic Phonetics Lab 1 hr
LIN 3716 Language Development 3 hrs
LIN 3716L Language Development Lab 2 hrs
SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
SPA 4032 Audiology 3 hrs
SPA 4400 Language Disorders Across the Life Span 3 hrs
SPA 4476 Speech Disorders Across the Lifespan 3 hrs

Restricted Electives

■ None

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 24

Other Requirements

■ A minimum grade of “C” (1.75) is required in all courses used to satisfy the minor.
■ Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.
■ At least 19 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study requires prior approval from the advisors to be used toward the minor.

COMMUNITY ARTS - PAVE - MINOR

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117

http://www.svad.cah.ucf.edu/

TBA

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

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

COP 3223 Introduction to Programming with C 3 hrs
COP 3330 Object Oriented Programming 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
CDA 3103 Computer Logic and Organization 3 hrs

Select 1:

COT 3100C Introduction to Discrete Structures or MAD 2104 Foundations of Discrete Math 3 hrs

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.

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Minors

- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

Crime, Law, and Deviance - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. 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 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 (6 hrs)
- SYP 3520  Introduction to Sociology  3 hrs
- Required: Complete one of the following:
  - SYG 2000  Introduction to Sociology or
  - SYG 2010  Social Problems  3 hrs

Restricted Electives (12 hrs)
- 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 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, 407-823-2662

Minor Admission Requirements
- A successful audition - contact department for audition dates.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CCJ 3024  Criminal Justice System  3 hrs
- CCJ 3014  Crime in America  3 hrs

Restricted Electives (12 hrs)
- Select 2:
  - CJL 3510  Prosecution and Adjudication or
  - CJC 3010  Corrections and Penology or
  - CJE 4014  Police and Society  3 hrs

Six semester hours of Criminal Justice courses (selected with aid of an advisor)  6 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.
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

Minor Requirements
• None

Prerequisite Courses
• None

Required Courses (13 hrs)

DIG 2485  Visual Language of the Moving Image  3 hrs
DIG 2821  Creative Digital Media Problem Solving  3 hrs
DIG 3253C  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

Restricted Electives (6 hrs)
• Select two courses:
  • Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design

DIG 3566  Information Design  3 hrs
DIG 3716C  Internet Interaction  3 hrs
DIG 3810  Information Management  3 hrs
DIG 3950  Internship  3 hrs
DIG 4566  Information Design II  3 hrs
DIG 4750  Game Design II  3 hrs
DIG 4785C  Modeling for Realtime Systems III  3 hrs

Foreign Language Requirements
• None

Total Semester Hours Required
• 18

Other Requirements
• A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a “B” (3.0) or better is required.
• 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 in the minor only with prior written permission.

Diversity and Social Inequality - 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 Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society. The minor facilitates understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of fields.

Minor Admission Requirements
• The minor is not open to Sociology majors.
• Courses used to satisfy the Restricted Electives of this minor 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)

SYG 2000  Introduction to Sociology or Social Problems  3 hrs
SYG 2010

Required: Complete one of 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

Restricted Electives (12 hrs)
• Select four courses from the following:

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.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Upper Division Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3203</td>
<td>Intermediate Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3205</td>
<td>Intermediate Macroeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4300</td>
<td>Math Curriculum and Assessment in Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3450</td>
<td>Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” or “S” grades from other institutions are not accepted.
- Courses taken at 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.

### Economics - Minor

#### College of Business Administration

**Department of Economics, Business Administration II, Room: 305**

[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu

David Scrogin, 407-823-4129

Nora Underwood, 407-823-1403

Phone: 407-823-3266

(room for both Business Majors and non-Business Majors)

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses

<table>
<thead>
<tr>
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<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>ECO 3101</td>
<td>Intermediate Microeconomics</td>
<td>3 hrs</td>
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<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives

<table>
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<tr>
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<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2201</td>
<td>Intermediate Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2203</td>
<td>Intermediate Macroeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” or “S” grades from other institutions are not accepted.
- Courses taken at 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.
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 profession-
al education. Students who successfully complete this minor can expect to increase
their marketability in careers that include educational components such as instruct-
ning, 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
EDF 4803 Analysis and Application of Ethical, Legal,
and Safety Issues in Schools  3 hrs
EDG 4410 Teaching Strategies and Classroom
Management  3 hrs
RED 4043 Content Reading in Kindergarten through
Grade 12  3 hrs
TSL 4080 Theory and Practice of Teaching ESOL
Students in Schools  3 hrs

Restricted Electives
■ Select one
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 posi-
tions 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
■ None

Restricted Electives
■ Select 1: 3 hrs
GEB 4152 Technological Entrepreneurship  3 hrs
IDS 4949 Cooperative Education  0 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
■ None

Restricted Electives
■ Select 1: 3 hrs
IDS 3150 Advanced Topics on Energy and
Utilization  3 hrs
IDS 4204C Advanced Topics on Energy and
Sustainability  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.

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:
  - EEL 4216 Fundamentals of Electric Power Systems 3 hrs
  - EML 4411 Mechanical Power Systems 3 hrs
  - EML 4454 Turbines for Sustainable Power 3 hrs
  - EML 4600 HVAC Systems Engineering 3 hrs
  - EML 4602 Applied HVAC Engineering 3 hrs

Water, Environment and Waste Management
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- ENV 4120 Air Pollution Control 3 hrs
- ENV 4341 Solid and Hazardous Waste Management 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II 3 hrs

Business and Public Policy
- ECP 4303 Economics and the Environment 3 hrs
- ECP 4305 Environmental and Natural Resource Economics 3 hrs
- REE 3614 Environmental Issues for Real Estate 3 hrs

Social and Ethical Dimensions
- INR 4350 Global Environmental Politics 3 hrs
- INR 4351 International Environmental Law 3 hrs
- PAD 4351 Issues in Environmental Program Management 3 hrs
- PHI 3640 Environmental Ethics 3 hrs
- PLA 4554 Environmental Law 3 hrs
- PUP 3203 Environmental Politics 3 hrs
- PUP 4209 Urban Environmental Policy 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.

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.
- No credit by exam (TSD, Military credit) may be used.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Engineering Leadership - Minor
College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu
Dr. Timothy Kotnour
Phone: 407-823-5645

The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering profession.

Minor Admission Requirements
- Acceptance to the program is from a pool of applicants each fall term for the two semester program. Admission requires an interview with the Director of this minor program, submission of the applicant’s resume with academic and outside activity information, and an essay prepared by the applicant explaining their interest in the program with self-development issues they would like to explore in the program.
- Only open to CECS undergraduate students
- A minimum GPA of 3.0 is required for acceptance into this minor degree program

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- EGN 4624 Engineering Administration 2 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
  - 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

Select one course
- Any course substitution must be approved by IEMS Undergraduate Coordinator and/or Department Chair.

Restricted Upper Division Electives--select three courses (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 3950 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
Minors

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 4105 History of the English Language 3 hrs
- LIN 4680 Modern English Grammar 3 hrs

Restricted Electives (9 hrs)
- LIN 4643 Cross Cultural Communication 3 hrs
- LIN 4660 Linguistics and Literature 3 hrs
- LIN 4801 Language and Meaning 3 hrs
- LIN 5137 Linguistics 3 hrs
- ANT 3610 Language and Culture 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHI 4221 Philosophy of Language 3 hrs
- SPA 3112 Basic Phonetics 3 hrs
- Or any course approved by the Linguistics Committee 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - 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 (18 hrs)
- ENC 4215 Technical Publication and Project Management 3 hrs
- ENC 4218 The Visual in Technical Documentation 3 hrs
- ENC 4293 Documentation and the Collaborative Process 3 hrs
- ENC 4294 Documentation and Client-Based Collaboration 3 hrs
- ENC 4280 Technical Writing Style 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs

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 - 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
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English Language Arts Education - Minor
College of Education
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 Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Phone: 407-823-2041

The English Language Arts Education minor is intended for non-English Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Minor Requirements
- None

Prerequisite Courses
- None
Minors

Required Courses

- EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- EDF 4467 Learning Theory and Assessment (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools (3 hrs)
- RED 4043 Content Reading in Kindergarten through Grade 12 (3 hrs)
- LAE 4360 English Instructional Analysis (3 hrs)
- LAE 4342 Programs in Teaching Language and Composition (3 hrs)

A C- or better is required in these courses.

Restricted Electives

None

Foreign Language Requirements

None

Total Semester Hours Required

18

Other Requirements

- Students should see an advisor prior to registering for classes.
- Students must complete 18 hrs of courses in English Language Arts as co-requisites.
- Obtain a minimum 2.5 GPA in courses required for minor.
- At least 12 hours in the minor must be earned at UCF.

Entrepreneurship: Business - Minor

College of Business Administration

Department of Management, Business Administration I, Room: 309

http://www.cei.ucf.edu

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: (3 hrs)
  - MAR 3391 Professional Selling or
  - MAR 3765 Entrepreneurial Marketing
- 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.
- 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.
- 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.

Entrepreneurship: For Non-Business Majors - Minor

College of Business Administration

Department of Management, Business Administration I, Room: 309

http://web.bus.ucf.edu/

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: (3 hrs)
  - GEB 3113 How to Start a Business or
  - 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: (3 hrs)
    - GEB 4152 Technological Entrepreneurship or
    - 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
(3 hrs)
IDS 3150 Foundations of Environmental Studies 3 hrs

Restricted Electives
(18 hrs)

Science & Environmental Electives 9 hrs
BOT 315C Local Flora 3 hrs
BOT 4156 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
BOT 4713C Plant Taxonomy 5 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 3431 Sustainable Resource Management 3 hrs
PCB 3033 Genetics 3 hrs
PCB 3304C River Ecology 4 hrs
PCB 3314 Marine Bio Diversity 3 hrs
PCB 3044L Principles of Ecology Laboratory 1 hr

Social & Humanities Electives 9 hrs
ECO 4701 Seminar in Global Economic Policy 3 hrs
INR 4351 International Environmental Law 3 hrs
PUP 3203 Environmental Politics 3 hrs
PUP 4503 Government and Science 3 hrs
PAD 4351 Issues in Environmental Program Management 3 hrs
PAD 3330 Urban and Regional Planning 3 hrs
PUP 4204 Sustainability 3 hrs
 GEO 2370 Resources Geography 3 hrs
GIS 3043C GIS for Environmental Studies 3 hrs
GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
GIS 4035C Remote Sensing of the Environment 3 hrs
PHI 3033 Philosophy, Religion, and the Environment 3 hrs
PHI 4400 Philosophy of Science 3 hrs
PHI 3640 Environmental Ethics 3 hrs
PHI 4633 Ethics and Biological Science 3 hrs
PHM 4031 Environmental Philosophy 3 hrs
PLA 4554 Environmental Law 3 hrs
ECP 3302 Economics and the Environment 3 hrs
ECP 4303 Environmental and Natural Resource Economics 3 hrs

Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

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.
■ No more than 6 credit hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
■ A grade of "C" or above (2.0) is required in each course used to fulfill these restricted electives.

Prerequisite Courses
■ No credit by exam (TSD, Military credit) may be used.
■ A grade of "C" or above (2.0) is required in each course used to fulfill these restricted electives.

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 4281 20th Century French Novels or
FRW 4324 20th Century French Drama 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 or 3 hrs  
**GEW 4531** The Age of Goethe and Schiller or 3 hrs  
**ITT 4956** Study Abroad: Modern and Contemporary Italian Culture or 3 hrs  
**ITW 3101** Survey of Italian Literature II or 3 hrs  
**JST 3751** Literature of the Holocaust or 3 hrs  
**LIT 4184** Irish Literature or 3 hrs  
**MUL 3604** German Song Literature or 1 hr  
**MUL 3605** French Song Literature or 1 hr  
**SPW 3101** Survey of Spanish Literature II or 3 hrs  
**SPW 3370** Spanish Short Story or 3 hrs  
**SPW 4272** 20th Century Spanish Novel or 3 hrs  
**SPW 4322** Contemporary Iberian Theatre or 3 hrs  
**SPW 4450** Spanish Literary Theory or 3 hrs  
**SPW 4460** Nineteenth Century Spanish Literature or 3 hrs  
**SPW 4720** The Generation of 1898 or 3 hrs  

**History** 6 hrs  
Select at least 6 credits from this grouping: 6 hrs  
**EUH 3235** Romanticism and Realism or 3 hrs  
**EUH 3242** Modern Europe and the First World War or 3 hrs  
**EUH 3281** Second World War and Rebirth of Europe or 3 hrs  
**EUH 3315** History of Modern Spain or 3 hrs  
**EUH 3411** Ancient Rome or 3 hrs  
**EUH 3431** History of Modern Italy or 3 hrs  
**EUH 3451** History of Modern France or 3 hrs  
**EUH 4284** Fascism and Nazism in the Interwar Europe or 3 hrs  
**EUH 4400** The History of Ancient Greece or 3 hrs  
**EUH 4465** Hitler’s Third Reich or 3 hrs  
**EUH 4501** English History: 1485-1815 or 3 hrs  
**EUH 4502** British History: 1815-Present or 3 hrs  
**EUH 4574** History of Russia: 1801-1917 or 3 hrs  
**EUH 4576** History of Russia in the 20th Century or 3 hrs  
**EUH 4578** History of Russia in the 20th Century or 3 hrs  
**EUH 4582** 20th Century Russian Diplomatic History or 3 hrs  
**EUH 4610** Women in European Society: From Medieval to Modern or 3 hrs  
**EUH 4620** European Great Powers: 1815-1914 or 3 hrs  
**GER 4510** Life and Culture in Nazi Germany or 3 hrs  
**JST 3701** History of the Holocaust or 3 hrs  

**Political Science or Economics** 3 hrs  
Select at least 3 credits from this grouping: 3 hrs  
**CPO 3104** Politics of Western Europe or 3 hrs  
**CPO 3614** Politics of Eastern Europe or 3 hrs  
**CPO 4074** Political Economy or 3 hrs  
**CPO 4123** Government and Politics of Great Britain or 3 hrs  
**CPO 4445** Comparative Political Parties or 3 hrs  
**CPO 4843** Government and Politics of Russia or 3 hrs  
**ECO 3273** International Microeconomics or 3 hrs  
**ECO 3701** International Political Economy 3 hrs  

**Other** 3 hrs  
- 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 4340** 19th Century Art or 3 hrs  
**ARH 4450** 20th Century Art or 3 hrs  
**PHI 3510** Marx and Nietzsche or 3 hrs  
**PHP 3783** Modernity as a Philosophical Problem or 3 hrs  
**PHP 3786** Existentialism or 3 hrs  
**PHP 4782** Phenomenology 3 hrs  

**Foreign Language Requirements**  
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).  

**Total Semester Hours Required** 21  

**Other Requirements**  
- No credit by exam (military credit, TSD) may be used toward the minor.  

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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  
Dr. Lee Cross, Program Coordinator, Icros@mail.ucf.edu  
Linda Alexander, lalexand@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** (12 hrs)  
- 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 Strategies for Students with Special Needs 3 hrs  

**Restricted Electives** (6 hrs)  
- 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 or 3 hrs  
- EEX 3221 Assessment of Exceptional Students 3 hrs  

**Select 1:**  
- EEX 3243 Techniques for Exceptional Adolescents-Adults or 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.
## Finance - Minor

### College of Business Administration

**Department of Finance, Business Administration I,**

Room: 409

Students seeking advising must go to BA 2 room 101.


Open to business and non-business students. Not available to finance majors.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
<td>4 hrs</td>
</tr>
<tr>
<td>FIN 3303</td>
<td>Financial Markets</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives (6 hrs)

Choose Two

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3412C</td>
<td>Kinesiology/Biomechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4550C</td>
<td>Assessment and Evaluation in Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4083</td>
<td>Personal Training Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3736C</td>
<td>Exercise Physiology Anatomy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 19

### Other Requirements

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study or Directed Research credit cannot be used toward the minor.

## Film - Cinema Studies - Minor

### College of Arts and Humanities

**Department of Film, Nicholson School of Communication,**

Room: 121


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)

Choose Two

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 3363C</td>
<td>Film Documentary</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3847</td>
<td>Latin American Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 4647</td>
<td>Film Production Management</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 3826</td>
<td>American Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3825</td>
<td>German Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3831</td>
<td>Black Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3811</td>
<td>American 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 3812</td>
<td>French Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3820</td>
<td>Italian Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3845</td>
<td>World Cinema Traditions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3841</td>
<td>French New Wave Cinema</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives (6 hrs)

Choose Two

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 1000</td>
<td>Foundations of Story or Cinema Survey</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 1007</td>
<td>Foundations of Story or Cinema Survey</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 19

### Other Requirements

- 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 practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3411</td>
<td>Nutrition and Metabolism in Sport</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3381</td>
<td>Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Strength and Conditioning Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3768</td>
<td>Group Exercise Instruction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4351C</td>
<td>Exercise Physiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives (6 hrs)

Choose Two

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>PET 3412C</td>
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<td>Assessment and Evaluation in Exercise Science</td>
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</tr>
<tr>
<td>PET 3736C</td>
<td>Exercise Physiology Anatomy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. This course should be taken prior to PET 4312, PET 4550, and PET 4083. If the student has completed the Human Anatomy requirement at another school, it can be substituted with this course.
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- No grades below "C-" (1.75) and no "S" grades will be 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 or Independent Study credit cannot be used toward the minor.

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 in the field of professional 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
- 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 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

Other Requirements
- None

French - 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
- Required Courses (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 by 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
- Required Courses (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 by 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
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)
- 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
- Additional prerequisite courses may be required
- 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
- Any course taught within the History Department

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C-” (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

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. Belier, 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 Upper Division Electives 15 hrs

History Elective 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all courses 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 or Independent Study credit cannot be used toward the minor without departmental approval.

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
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)
- 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
- Additional prerequisite courses may be required
- 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
- Any course taught within the History Department

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C-” (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.
### Hospitality Management - Minor

**Rosen College of Hospitality Management**  
**Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819**  
[http://www.hospitality.ucf.edu](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

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(18 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Take all of the following:</td>
<td>6 hrs</td>
</tr>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry and Guest Services Management I</td>
</tr>
<tr>
<td>HFT 3540</td>
<td></td>
</tr>
</tbody>
</table>

**Select 2:**
- 6 hrs

| 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:**
- 6 hrs

| HFT 3700 | Tourism Management or | 3 hrs |
| HFT 3263 | Restaurant Management or | 3 hrs |
| HFT 3273 | Principles of Resort Timesharing or | 3 hrs |
| HFT 4755 | Theme Park and Attraction Management or | 3 hrs |
| HFT 2750 | The Event Industry or | 3 hrs |
| FSS 2211C | 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](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

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(21 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

**Select 2:**
- 6 hrs

| HUM 3252 | Contemporary Humanities or | 3 hrs |
| HUM 3255 | Modern Humanities or | 3 hrs |
| HUM 3431 | Ancient Humanities or | 3 hrs |
| HUM 3435 | Medieval Humanities | 3 hrs |

**Humanistic/Religious Traditions**
- 12 hrs

**Select 2:**
- 6 hrs

| ANT 3245 | Native American Religions or | 3 hrs |
| HUM 3401 | Asian Humanities or | 3 hrs |
| 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:**
- 6 hrs

| 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 (9 hrs)
- EGN 3060C Introduction to Robotics 3 hrs

Select 2: 6 hrs
- EEL 3657 Linear Control Systems or 3 hrs
- EML 4312C Feedback Control or 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EML 3262 Kinematics of Mechanisms or 3 hrs
- CAP 4453 Robot Vision or 3 hrs
- CAP 4630 Artificial Intelligence 3 hrs

Restricted Electives (9 hrs)
Select 3: 9 hrs
- EEL 4612 Introduction to Modern and Robust Control or 3 hrs
- EEL 4750 Digital Signal Processing Fundamentals or 3 hrs
- EEL 5669 Autonomous Robotic Systems or 3 hrs
- EEL 5173 Linear Systems Theory or 3 hrs
- EEL 5630 Digital Control Systems or 3 hrs
- EEL 5620 Image Processing or 3 hrs
- EEL 5625 Pattern Recognition or 3 hrs
- EML 5311 System Control or 3 hrs
- CAP 5415 Computer Vision or 3 hrs
- CAP 5512 Evolutionary Computation or 3 hrs
- CAP 5610 Machine Learning or 3 hrs
- EML 4894C Digital Control in Mechatronics or 3 hrs
- EML 5625 Applied Control Systems or 3 hrs
- EML 5290 Introduction to MEMS and Micromachining or 3 hrs
- EEL 5513 Digital Signal Processing Applications 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- A high-level programming language class (like the following or it's equivalent) is required for the minor.
- EGN 3211 Engineering Analysis and Computation 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- Students whose major requires senior design courses are encouraged to take the following courses and to undertake a project in intelligent robotic systems.
- EGN 4412C Interdisciplinary Design I 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

Minors
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 6 hrs
- Select 1: 3 hrs
  - CGS 1060C: Introduction to Computer Science 3 hrs
  - CGS 1060D: Computer Fundamentals for Business 3 hrs
  - COP 3502C: Computer Science I 3 hrs

Healthcare Informatics Concentration
- HIM 3006: Foundations of Health Information Management (HIM) 9 hrs
- HSA 4191: Health Care Automation 3 hrs

Select 1: 3 hrs
- CGS 4144: Introduction to Informatics 3 hrs
- CIS 3003: Fundamentals of Information Technology 3 hrs

Technical Elective
- 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 looks at intra-national factors, such as how a state's internal characteristics impact that state's political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

  - 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.

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

Required Courses (6 hrs)
- IDS 4315: Global Perspectives 3 hrs
- GEO 3471: World Political Geography 3 hrs

Restricted Electives (15 hrs)
- A. Restricted Political Science Electives: 6 hrs
  - Select courses from this grouping:
    - INR 4011: Politics of Globalization 3 hrs
    - INR 4030: Diplomacy or 3 hrs
    - INR 4035: International Political Economy 3 hrs
    - INR 4054: Global Politics of Energy 3 hrs
    - INR 4074: Immigration Policy 3 hrs
    - INR 4075: Human Rights Policy 3 hrs
    - INR 4076: Global Drug Policy 3 hrs
    - INR 4350: Global Environmental Politics 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 3 hrs
- CPO 4062: Comparative Judicial Process or 3 hrs
- CPO 4074: Political Economy or 3 hrs
- CPO 4754: Comparative Political Institutions or 3 hrs
- CPO 4710: Women in Comparative Politics or 3 hrs
- CPO 4784: Political and Economic Inequality in 3 hrs
- 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 or 3 hrs
  - Three one credit Foreign Language across the Curriculum (FLAC) courses 3 hrs

Foreign Language Requirements
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
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 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- MAR 4156 International Marketing 3 hrs
- MAN 4600 International Management 3 hrs

Restricted Electives
- ECO 3703 International Microeconomics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECO 4701 Seminar in Global Economic Policy 3 hrs
- ECS 4013 Development Economics 3 hrs
- GEO 3471 World Political Geography 3 hrs
- INR 4035 International Political Economy 3 hrs
- INR 4224 Contemporary International Politics of Asia 3 hrs
- INR 4243 International Politics of Latin America 3 hrs
- INR 4401 International Law I 3 hrs
- 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 Engineering - Minor
College of Engineering and Computer Science Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
- Admission by interview with the Program Director

Minor Requirements
- Minimum UCF Overall GPA of 2.5.

Prerequisite Courses
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses
- Language Skill Acquisition 6 hrs

- It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries in which English is widely spoken.

- Cultural Coursework 3 hrs

- It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
  - Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available
  - Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

Study Abroad Experience 9 hrs
- The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad. Minimally, 6 hours must meet requirements of the student’s major program.
- Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program.
- With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency.
- Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Restricted Electives
- None

Foreign Language Requirements
- See Language Skills Acquisition

Total Semester Hours Required
- 18
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, mrorales@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.

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, mrorales@mail.ucf.edu
Phone: 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.

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.
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 (or proficiency) in Hebrew
8 hrs
HBR 1120  Elementary Modern Hebrew Language and Culture I
4 hrs
HBR 1121  Elementary Modern Hebrew Language and Culture II
4 hrs

Restricted Electives (18 hrs)

Jewish History
JST 3401  Jewish People in Antiquity
3 hrs
JST 3402  Wanderings: The Jewish People in Dispersion
3 hrs
JST 3415  American Jewish History
3 hrs
JST 3481  20th Century Jewish History and Thought
3 hrs
JST 3550  Introduction of Modernism into Judaism
3 hrs
JST 3701  History of the Holocaust
3 hrs

Bible
JST 3120  Hebrew Scriptures
3 hrs
JST 3125  The Book of Job
3 hrs
JST 3126  Romantic Love in the Bible
3 hrs
JST 3144  Dead Sea Scrolls
3 hrs
JST 3190  The Biblical Prophets
3 hrs

Literature
JST 3100  The Hebrew Creative Mind
3 hrs
JST 3312  Identity and Genre
3 hrs
JST 3751  Literature of the Holocaust
3 hrs

Jewish Civilization
JST 3005  Tenets of Judaism
3 hrs
JST 3212  Classic Texts of Judaism
3 hrs
JST 3210  Kabbalah: Jewish Mysticism
3 hrs
JST 3620  Contemporary Jewish Ethics and Morality
3 hrs

Culture
JST 3450  Modern Jewish Experience
3 hrs
JST 3810  The Jewish National Movement and Roots of Zionism
3 hrs
JST 3820  Modern Israeli Culture
3 hrs

Language
HBR 2200  Intermediate Modern Hebrew I
3 hrs
HBR 2201  Intermediate Modern Hebrew II
3 hrs
HBR 3250  Biblical Hebrew
3 hrs
HBR 3410  Conversational Israeli Hebrew
3 hrs

Other courses, including special topics, with the approval of the Director
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 26

Other Requirements
■ A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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:
  SPN 1120C  Elementary Spanish Language and Civilization I
  SPN 1121C  Elementary Spanish Language and Civilization II

Prerequisite Courses
■ None

Required Courses
■ None

Restricted Electives (18 hrs)
■ At least 6 hours must be from one disciplinary group, and at least 3 hours from two additional groups. The remaining hours may be selected from any of the disciplinary groups. Additional courses not listed below may substitute with prior approval from the Program Director.

Anthropology
ANT 3164  Ancient Incas
3 hrs
ANT 3168  Maya Archaeology
3 hrs
ANT 4332  People and Cultures of Latin America
3 hrs
ANT 4340  Caribbean Cultures
3 hrs
ANT 4308  Gender Issues in Latin America
3 hrs

History
ARH 4653  Meso American Art
3 hrs
ARH 3673  Modern Art of Mexico
3 hrs
ARH 3670  20th Century Latin American Art
3 hrs

Modern Languages and Literature
SPN 2200  Intermediate Spanish Language and Civilization I
3 hrs
FRW 3770  Francophone Literature
3 hrs
SPW 3130  Survey of Latin-American Literature I
3 hrs
SPW 3131  Survey of Latin-American Literature II
3 hrs
LIT 3192  Caribbean Literature
3 hrs
FRW 3752  French Caribbean Literature
3 hrs
SPW 4382  Central American Literature
3 hrs
AML 3615  Harlem, Haiti, and Havana
3 hrs
AML 4630  Latino/Latina Literature
3 hrs
SPN 3852  Bilingualismo
3 hrs
SPW 4730  Hispanic Literature of the United States
3 hrs
SPN 4780  Spanish Phonetics
3 hrs

History
LAH 3130  Latin American History I
3 hrs
LAH 3200  Modern Latin America
3 hrs
LAH 3400  History of Mexico and Central America
3 hrs
LAH 3470  History of the Caribbean
3 hrs
AMH 3586  History of the Hispanic Minorities in the U.S.
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
4 hrs
LDR 2001 Foundations of Leadership 2 hrs
1 LDR 2002 Intermediate Foundations of Leadership 2 hrs

1 PR: LDR 2001

Restricted Requirements
15 hrs
■ Choose one course from each of the five areas:

Communication
3 hrs
1 COM 311C Communication and Human Relations or 3 hrs
2 COM 3120 Organizational Communication or 3 hrs
3 COM 4461 Intercultural Communication or 3 hrs
4 COM 4462 Conflict Management or 3 hrs
5 ENC 3250 Professional Writing or 3 hrs
6 SPC 3445 Leadership Through Oral Communication 3 hrs

Collaboration
3 hrs
5 INP 3004C Industrial/Organizational Psychology or 3 hrs
6 INP 4313 Organizational Psychology or 3 hrs
7 MAN 4240 Organizations: Theory and Behavior or 3 hrs
8 MAN 3025 Management of Organizations or 4 hrs
9 SPC 4426 Group Dynamics 3 hrs

Social Relations and Culture
3 hrs
ANT 3541 Biobehavioral Anthropology or 3 hrs
CLP 3143 Abnormal Psychology or 3 hrs
COM 4461 Intercultural Communication or 3 hrs
8 EXP 3304C Motivation or 3 hrs
9 SOP 3004C Social Psychology or 3 hrs
10 SOP 3723 Cross Cultural Psychology or 3 hrs
11 SOP 3742 Psychology of Women or 3 hrs
12 SOP 3784 Psychology of Diversity 3 hrs

Politics
3 hrs
10 PAD 3003 Public Administration in American Society or 3 hrs
11 PAD 4104 Administrative Theory or 3 hrs
12 PAD 4144 Non-Profit Organizations or 3 hrs
13 PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
14 POS 3413 The American Presidency or 3 hrs
15 POS 4206 Political Psychology or 3 hrs
16 PUP 3325 Women and Political Behavior or 3 hrs
17 SYO 4300 Political Sociology 3 hrs

Ethics
3 hrs
18 BUL 3130 Legal and Ethical Environment of Business or 3 hrs
19 EDF 3601 Professional Ethics in Education or 3 hrs
20 PAD 3040 Ethics and Values in Public Administration or 3 hrs
21 PHI 2108 Critical Thinking or 3 hrs
22 PHI 3638 Ethical Issues in the 21st Century or 3 hrs
23 PHI 3640 Environmental Ethics 3 hrs

2 PR: or CR: COM 3311
3 PR: Grade of "C" (2.0) or better required in ENG 1102; junior standing; 12 upper division hours in the student’s major.
4 PR: COM 3120 and COM 3311 or CI
5 PR: PSY 212 or CI
6 PR: INP 3004
7 PR: Management major, MAN 3025
8 PR: required for minor
9 PR: PSY 2120 or CI
10 PR: POS 2041
11 PR: PAD 3003 or CI
12 PR: ENC 1101 or CI
13 PR: POS 2041 or CI
14 PR: POS 2041 or CI. Offered every two years.
15 PR: Junior standing or CI
16 PR: PHI 2100 or CI
17 PR: Junior standing

Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

No credit by exam (TSD, Military credit) may be used.

At least 15 credit hours used in the minor must be earned at UCF.

A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.

Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.
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

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 Intelligence 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
  1 MAR 4803  Marketing Management 3 hrs
  1 MAR 4804  Marketing Strategy 3 hrs
  MAR 4841  Services Marketing 3 hrs
  MAR 4934  Contemporary Marketing Topics in Florida 3 hrs
  2 MAR 4156  International Marketing 3 hrs
  3 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.

Required Courses (9 hrs)
JOU 2100C  News Reporting 3 hrs
JOU 3510  Magazine Publishing 3 hrs
JOU 4224  Magazine Editing and Production 3 hrs

Restricted Electives (9 hrs)
Select three from the following choices: 9 hrs
ENC 3310  Magazine Writing I or
JOU 3201  Editing I or
JOU 3202  Editing II or
JOU 4308  Freelance Writing or
JOU 430C  On-line Journalism I

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 without school permission.

Magazine Journalism - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Minor Admission Requirements
- Grammar proficiency requirement.
- A minimum UCF GPA of 3.3 is required.
- The minor is not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

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

Required Courses (9 hrs)
JOU 2100C  News Reporting 3 hrs
JOU 3510  Magazine Publishing 3 hrs
JOU 4224  Magazine Editing and Production 3 hrs

Restricted Electives (9 hrs)
Select three from the following choices: 9 hrs
ENC 3310  Magazine Writing I or
JOU 3201  Editing I or
JOU 3202  Editing II or
JOU 4308  Freelance Writing or
JOU 430C  On-line Journalism I

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 without school permission.
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 program.

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

Required Courses (15 hrs)

1. MAC 2311 Calculus with Analytic Geometry I 4 hrs
2. MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs

This minor provides students with an opportunity to learn about sociological research within the institutions of religion, sports, and leisure in order to develop a working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

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

Required Courses (6 hrs)

SYP 4000 Sociological Social Psychology 3 hrs

Required: Complete one of the following: 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs
SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
- Select four courses from the following:
  SYA 4650C Community Action and Involvement 3 hrs
  SYO 4200 Religion in Society 3 hrs
  SYO 3000 Contemporary Society 3 hrs
  SYP 3300 Fads, Crowds, and Social Action 3 hrs
  SYP 3400 Social Change 3 hrs
  SYP 3602 Patterns of Popular Music in Society 3 hrs
  SYP 3630 Popular Culture In Society 3 hrs
  SYP 3650 Sports and Society 3 hrs
  SYP 4004 Constructing Social Issues 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Mass Culture and Collective Behavior - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
E-mail: sociology@ucf.edu
Dr. Jay Corzine, 407-823-3744

This minor provides students with an opportunity to learn about sociological research within the institutions of religion, sports, and leisure in order to develop
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 (6 hrs)
- The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.
- Select two from the following list of options:
  - MAA XXXX (any 3000, 4000, or 5000 level course, except as noted below)
  - MAD XXXX (any 3000, 4000, or 5000 level course)
  - MAP XXXX (any 3000, 4000, or 5000 level course, except as noted below)
  - MAS XXXX (any 3000, 4000, or 5000 level course, except as noted below)
  - MTG XXXX (any 3000, 4000, or 5000 level course)
  - Any mathematics Honors courses that are approved for this purpose by the Department Standards Committee

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 4 hrs
- MAS 3106 Linear Algebra 4 hrs

You may select either sequence, but not both.
- MAA 4226 Advanced Calculus I and 4 hrs
  - MAA 4227 Advanced Calculus II 3 hrs
- or
- MAA 5210 Topics in Advanced Calculus 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 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:
  - ANT 2410 Cultural Anthropology 3 hrs
  - ANT 2511 The Human Species 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs
  - ANT 4406 Culture, Disease, and Healing 3 hrs

Restricted Electives
- Restricted Electives, Group A: 3 hrs
  - Select one course from the list below:
    - ANT 4560 Anthropological Perspectives on Human Growth 3 hrs
    - 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, Group B: 6 hrs
- 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 3 hrs
  - ANT 4802 Ethnographic Field Methods 3 hrs

May substitute a health-related course from another department with permission from Anthropology.
### Medieval and Renaissance Studies - Minor
#### College of Arts and Humanities

**Department of English, Colbourn Hall, Room: 417G**

**http://www.english.cah.ucf.edu/**

Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

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<th>Foreign Language Requirements</th>
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<tr>
<th>Total Semester Hours Required</th>
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<td>21</td>
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<tr>
<th>Other Requirements</th>
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<tr>
<td>No Credit by exam (TSD, Military Credit) may be used to satisfy the minor.</td>
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<tr>
<th>Prerequisite Courses</th>
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<th>Minor Requirements</th>
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<tr>
<th>Required Courses (6 hrs)</th>
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<table>
<thead>
<tr>
<th>SYO 4400  Medical Sociology</th>
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<tr>
<th>Required: Complete one of the following:</th>
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<tr>
<th>SYG 2000  Introduction to Sociology or SYG 2010  Social Problems</th>
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<tr>
<th>Required Courses (12 hrs)</th>
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<tr>
<th>Select four courses from the following:</th>
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<tr>
<th>SYD 4020  Birth, Death, and Population Trends</th>
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<tr>
<th>SYP 3551  Patterns of Alcoholism in Society</th>
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<tr>
<th>SYP 4550  Patterns of Drug Abuse in Society</th>
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<tr>
<th>SYP 4730  Patterns of Aging in Society</th>
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<tr>
<th>May substitute a relevant health-related course from another department with permission from Sociology.</th>
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<tr>
<th>Foreign Language Requirements</th>
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| None                          |

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<tr>
<th>Total Semester Hours Required</th>
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<tr>
<td>18</td>
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<tr>
<th>Other Requirements</th>
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| No credit by exam (TSD, Military credit) may be used to satisfy the minor. |

<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
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### Medical Sociology - 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 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.

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<tr>
<th>Minor Admission Requirements</th>
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| The minor is not open to Sociology majors. |

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</table>

| 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. |

<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
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| Students must satisfy each course’s prerequisites before enrolling in the class. |

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<tr>
<th>Required Courses (6 hrs)</th>
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<tr>
<th>SYO 4400  Medical Sociology</th>
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<tr>
<th>Required: Complete one of the following:</th>
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<th>Restricted Electives (12 hrs)</th>
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### Department of Modern Languages

**Department of English**

**HUM 3435  Medieval Humanities**

**PHH 3200  Medieval Philosophy**

**MUH 4322  Medieval and Renaissance Music**

**SPW 3370  Spanish Short Story**

**SPW 4310  Golden Age Drama**

**SPW 4322  Contemporary Iberian Theatre**

**SPW 4604  Cervantes**

**ENL 3100  Survey of English Literature I**

**ENL 4311  Chaucer**

**ENL 4333  Shakespeare Studies**

**ENL 4341  Milton and His Age**

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<thead>
<tr>
<th>Minor Admission Requirements</th>
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| None                          |

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<tr>
<th>Minor Requirements</th>
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<table>
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<tr>
<th>Required Courses (6 hrs)</th>
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<tr>
<th>Select two courses from the following:</th>
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<tr>
<th>HUM 3435  Medieval Humanities</th>
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<tr>
<th>EUH 3122  Medieval Society and Civilization</th>
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<tr>
<th>ENL 4311  Chaucer</th>
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<tr>
<th>ENL 4341  Milton and His Age</th>
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<table>
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<tr>
<th>Required Courses (12 hrs)</th>
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<tr>
<th>Select no more than two from each disciplinary group:</th>
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<tr>
<th>Department of Art</th>
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<table>
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<tr>
<th>ARH 4200  Medieval Art</th>
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<tr>
<th>ARH 4310  Italian Renaissance Art</th>
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<tr>
<th>Department of English</th>
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<table>
<thead>
<tr>
<th>ENL 4220  English Renaissance Poetry and Prose</th>
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<tr>
<th>ENL 4311  Chaucer</th>
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<tr>
<th>ENL 4333  Shakespeare Studies</th>
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<tr>
<th>ENL 4341  Milton and His Age</th>
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<tr>
<th>Department of History</th>
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<table>
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<tr>
<th>AMH 4110  Colonial America, 1607-1763</th>
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<tr>
<th>AMH 4112  The Atlantic World</th>
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<tr>
<th>EUH 3122  Medieval Society and Civilization</th>
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<tr>
<th>EUH 3142  Renaissance and Reformation</th>
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<tr>
<th>EUH 3531  Medieval Ireland</th>
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<tr>
<th>EUH 3536  Early Modern Ireland</th>
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<tr>
<th>EUH 4500  English History to 1485</th>
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<tr>
<th>EUH 4501  English History: 1485-1815</th>
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<table>
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<tr>
<th>EUH 4610  Women in European Society: From Medieval to Modern</th>
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<tr>
<th>Department of Music</th>
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<table>
<thead>
<tr>
<th>MUH 4322  Medieval and Renaissance Music</th>
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<table>
<thead>
<tr>
<th>Department of Philosophy</th>
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</thead>
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<table>
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<tr>
<th>PHH 3200  Medieval Philosophy</th>
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<tr>
<th>HUM 3435  Medieval Humanities</th>
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<thead>
<tr>
<th>Required Courses (18 hrs)</th>
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</table>

<table>
<thead>
<tr>
<th>Foreign Language Requirements</th>
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| None                          |

<table>
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<tr>
<th>Total Semester Hours Required</th>
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<tbody>
<tr>
<td>18</td>
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<table>
<thead>
<tr>
<th>Other Requirements</th>
</tr>
</thead>
</table>

| 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

Prerequisite Courses
- 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)
  - ARAB 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 2200 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

Prerequisite Courses
- None

Required Courses (10 hrs)
- MUT 1004 Fundamentals of Music I 3 hrs
- MUT 1121 Music Theory and Musicianship I 3 hrs

Select 1: 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- MUL 2016 Evolution of Jazz or 3 hrs
- MUL 2720 Music of the World or 3 hrs
- MUH 2017 Survey of Rock Music or 3 hrs
- MUH 2019 American Popular Music, 1840s-present 3 hrs

Restricted Electives (9 hrs)
- Restricted electives must be taken from the Department of Music at UCF and must include 3 hours minimum at the 3000 or 4000 level.
- Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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 Office ship 4 hrs

Restricted Electives (3 hrs)
Select one of the following 3 hrs
- AMH 3541 U. S. Military History To 1900 3 hrs
- AMH 3547 U.S. Military History Since 1900 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “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.

University of Central Florida
## Minors

### Non-Profit Management/American Humanities

#### 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3930</td>
<td>Nonprofit Leadership Seminar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4948</td>
<td>Nonprofit Management Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4144</td>
<td>Non-Profit Organizations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. One credit hour repeated three semesters

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4141</td>
<td>Public Personnel Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4143</td>
<td>Volunteer Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 3004</td>
<td>Social Work Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4147</td>
<td>Planning and Improvement for Pub Org</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4325</td>
<td>Program Evaluation for Public and Non-Profit Orgs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PAD 4148</td>
<td>Volunteer Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4153</td>
<td>Planning and Improvement for Pub Org</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4131</td>
<td>Public Sector Project Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4147</td>
<td>Resource Development in the Nonprofit Sector</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4204</td>
<td>Fiscal Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4223</td>
<td>Budgeting: Skills and Techniques</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4253</td>
<td>Community &amp; Economic Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4325</td>
<td>Program Evaluation for Public and Non-Profit Orgs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 Humanities Certification Program through AH program office.
- Attendance at one national American Humanities Management Institute (additional fees).
- Membership in UCF American Humanities 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](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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
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**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3313</td>
<td>Indians of North America High Plains</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3311</td>
<td>Indians of the Southeastern United States</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3158</td>
<td>Florida Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4906</td>
<td>Directed Independent Study</td>
<td>1 hr</td>
</tr>
</tbody>
</table>
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 MUL 2014 Introduction to Music History and Literature (3 hrs)
Take one of the following courses:
- THE 2000 Theatre Survey or 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.
Pre requisite 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 qualified performing arts organization. Students will secure approval for internship positions and responsibilities from the department curriculum committee.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Minor Admission Requirements
- Minor Requirements
- Prerequisite Courses
- Required Courses (15 hrs)

Select one course from each of the following groups:

Reasoning
- PHI 2101 Philosophical Reasoning (3 hrs)
- PHI 2011 Formal Logic I (3 hrs)
- PHI 2847 Logic and Ethics (3 hrs)
- PHI 3131 Formal Logic II (3 hrs)
- PHI 2108 Critical Thinking (3 hrs)

History of Philosophy
- PHH 3701 Native American Philosophy (3 hrs)
- PHH 3460 Modern Western Philosophy (3 hrs)
- PHH 3600 Contemporary Philosophy (3 hrs)

Values and Society
- PHH 3100 Ancient Philosophy (3 hrs)
- PHH 3200 Medieval Philosophy (3 hrs)
- PHH 3460 Modern Western Philosophy (3 hrs)
- PHH 3600 Contemporary Philosophy (3 hrs)

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.
Minors

Philosophy, Religion and Popular Culture - 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. 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

Minor 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.

Theoretical Foundations 6 hrs
Take all of the following:
■ PHI 3684 Ways of Living and Knowing 3 hrs
■ PHI 4341 Ways of Knowing 3 hrs

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 3 hrs

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 3 hrs

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 3 hrs
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 3 hrs

Contemporary Forms of Life 3 hrs
Select 1:
■ ANT 3302 Sex, Gender and Culture or
■ HUM 3325 Contemporary Humanities or
■ PHI 3022 Sexuality, Gender & 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
■ PHI 3401 Philosophy of Law or
■ REL 3131 Religion in America 3 hrs

Restricted Electives
■ None

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.

Topics in Philosophy
Select 1: 3 hrs
■ PHI 4931 Philosophy in the News or
■ PHI 3683 Philosophy of Friendship or
■ PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or
■ PHI 3648 Ethical Implications of the Human Genome Project or
■ PHM 3022 Sexuality, Gender & Philosophy or
■ PHI 3033 Philosophy, Religion, and the Environment or
■ PHI 4804 Critical Theory or
■ PHP 3703 Modernity as a Philosophical Problem or
■ PHI 3750 The Problem of Evil or
■ PHI 3720 Faith and Reason or
■ PHI 3941 Philosophy Practicum or
■ REL 3111 Religion and Philosophy Through Film or
■ PHP 3786 Existentialism or
■ PHI 3401 Philosophy of Law or
■ PHI 3684 Ways of Living and Knowing or
■ PHI 4341 Ways of Knowing

Tasks in Philosophy
Select 1: 3 hrs
■ PHI 3625 Virtual Ethics or
■ PHI 3720 Faith and Reason or
■ PHI 3800 Aesthetics or
■ PHI 3700 Philosophy of Religion or
■ PHI 3750 The Problem of Evil or
■ PHI 3800 Aesthetics or
■ PHM 3100 Freedom and Justice or
■ PHI 3670 Ethical Theory or
■ PHI 2101 Formal Logic I or

Required Courses (21 hrs)
■ PHI 3323 Minds and Machines: Philosophy of Cognitive Science or
■ PHP 4782 Phenomenology or
■ PHI 4221 Philosophy of Language 3 hrs

Minor Requirements
■ None

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.

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.

UNIVERSITY OF CENTRAL FLORIDA
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 (6 hrs)
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

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, shall not count more than one course toward both programs, except the following:
     - POS 2041 American National Government 3 hrs

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

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

Required Courses (3 hrs)
- POS 2041 American National Government 3 hrs

Restrictive Electives (12 hrs)
- Select from upper-level Political Science courses appropriate for majors.

Political Science/Prelaw - 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, except the following:
     - POS 2041 American National Government 3 hrs

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

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

Required Courses (6 hrs)
- POS 2041 American National Government 3 hrs
- POS 4284 Judicial Process and Politics 3 hrs

Restricted Electives (15 hrs)
- Five 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 used:
  - 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
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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3204C</td>
<td>Statistical Methods in Psychology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select one statistics course:

- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I (3 hrs)

Restricted Electives (15 hrs)

A. Experimental

Select 1:

- EXP 3404C Basic Learning Processes or 3 hrs
- EXP 3204C Perception or 4 hrs
- EXP 3604C Cognitive Psychology or 4 hrs
- PSB 4240C Neuropsychology or 4 hrs
- PSY 3703 Psychology of Language 3 hrs

B. Personality/Social

Select 1:

- PPE 3003C Personality Theory and Research or 3 hrs
- SOP 3004C Social Psychology 3 hrs

C. Developmental

Select 1:

- 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:

- 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

■ 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 4095 Directed Independent Study 1 hr
- PSY 4912 Directed Independent Research 1 hr
- 1PSY 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

Phone: 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003</td>
<td>Public Administration in American Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4034</td>
<td>The Administration of Public Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4104</td>
<td>Administrative Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4204</td>
<td>Fiscal Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4414</td>
<td>Public Personnel Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4720</td>
<td>Survey Research in Public Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3733</td>
<td>Professional Administrative Writing in the Public Sector</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A minimum GPA of 2.0 is required in each course used to satisfy the minor.
■ Students must earn at least a 2.0 (“C”) to earn credit.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor without prior approval.

Real Estate - Minor
College of Business Administration

Dr. P. Phillips School of Real Estate, Business Administration I, Room: 427

Students seeking advising must go to BA 2 room 101.

http://www.bus.ucf.edu/real estate /

Phone: 407-823-3575

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Required Courses (13 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>
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

- REL 2300 World Religions (3 hrs)

Restricted Electives

- (Select from the following courses)
- Religion, Humanities, Classics, and Philosophy courses (12 hrs)
  - CLT 3370 Classical Mythology or 3 hrs
  - CLT 3378 Comparative Mythology or 3 hrs
  - HUM 3320 Contemporary Multicultural Studies 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
  - HUM 4303 The Spiritual Ideal or 3 hrs
  - HUM 4330 Performance Theory or 3 hrs
  - HUM 4554 Religious Quest and Human Dilemma 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 3672 Animal Ethics or 3 hrs
  - PHI 3684 Ways of Living or 3 hrs
  - PHI 3700 Philosophy of Religion or 3 hrs
  - PHI 4321 Philosophies of Embodiment: Mind/Body/Self 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
  - REL 3111 Religion and Philosophy Through Film or 3 hrs
  - REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
  - REL 3131 Religion in America or 3 hrs
  - REL 3340 Buddhist Thought or 3 hrs
  - REL 3342 Roots of Western Mysticism or 3 hrs
  - REL 4110 Religion and the Arts or 3 hrs
  - REL 4180 Religion and Medicine or 3 hrs
  - REL 3553 Moses, Jesus and Muhammad 3 hrs

Courses offered through other Departments (6 hrs)
- NOTE: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.
  - AML 3615 Harlem, Haiti, and Havana or 3 hrs
  - ANT 3241 Magic, Ritual, and Belief or 3 hrs
  - ANT 3245 Native American Religions or 3 hrs
  - ASH 322 Islam and its Empires or 3 hrs
  - ASH 3223 The Modern Middle East or 3 hrs
  - JST 3005 Tenets of Judaism or 3 hrs
  - JST 3125 The Book of Job or 3 hrs

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

- None

Restricted Electives

- (Select from the following courses)

Courses offered through other Departments (6 hrs)
- NOTE: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.
  - AML 3615 Harlem, Haiti, and Havana or 3 hrs
  - ANT 3241 Magic, Ritual, and Belief or 3 hrs
  - ANT 3245 Native American Religions or 3 hrs
  - ASH 322 Islam and its Empires or 3 hrs
  - ASH 3223 The Modern Middle East or 3 hrs
  - JST 3005 Tenets of Judaism or 3 hrs
  - JST 3125 The Book of Job or 3 hrs

Foreign Language Requirements
- None
Minors

JST 3144  Dead Sea Scrolls or  3 hrs
JST 3450  Modern Jewish Experience or  3 hrs
JST 3401  Jewish People in Antiquity or  3 hrs
JST 3402  Wanderings: The Jewish People in Dispersion 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 3202  Death and Dying or  3 hrs
LIT 4374  Literature of the Bible or  3 hrs
POT 4632  Religion and Politics or  3 hrs
SYO 4200  Religion in Society  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 12 hours used in the minor must be earned at UCF.
  - No credit by exam (TSD, Military credit) may be used.
  - Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

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 (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
- SCE 4360  Science Instructional Analysis  4 hrs
- SCE 4361  Programs in Teaching Science  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None
- Total Semester Hours Required 19
- Other Requirements
  - Students should see an advisor prior to registering for classes
  - Students must complete 18 hrs of courses in science as co-requisites
  - Recommended courses include: BSC 2010, BSC 2011, CHM 2045, CHM 2046, PHY 2053 or RSC 1121
  - At least 12 hours in the minor must be earned at UCF
  - Obtain a minimum 2.5 GPA in courses required for minor

Secure Computing and Networks - Minor

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris 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:
    - CNT 4403  Network Security and Privacy or  3 hrs
    - CIS 4361  Secure Operating Systems and Administration or  3 hrs
    - CIS 4615  Secure Software Development and Assurance or  3 hrs
    - CNT 4703C  Design and Implementation of Computer Communication Networks or  3 hrs
    - CNT 4704  Analysis of Computer Communication Networks or  3 hrs
    - COP 4600  Operating Systems or  3 hrs
    - EEL 4781  Computer Communication Networks  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

Social Science Education - Minor

College of Education

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

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

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ Composition
■ Students should see an advisor prior to registering for classes
■ Students must complete 18 hrs of courses in science as co-requisites
■ At least 12 hours in the minor must be earned at UCF
■ Obtain a minimum 2.5 GPA in courses required for minor

Sociology - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
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 (3 hrs)
SYG 2000  Introduction to Sociology

Restricted Electives (15 hrs)
Restricted Electives
■ 2000-4000 level Sociology courses 3 hrs
Restricted Upper Division Electives 12 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Co-op or internship credit cannot be used toward the minor.

Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://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 (18 hrs)
■ A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
■ Approval of a departmental advisor is required prior to registration.
■ Select six upper division courses in Spanish, including the following courses:
  - SPN 3300  Advanced Spanish Grammar and Composition 3 hrs
  - SPN 3760  Advanced Spanish Oral Communication 3 hrs
  - SPN 3420  Spanish Composition 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

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
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)
■ 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
■ MAN 4701  Business Ethics and Society 3 hrs
■ 1 GEB 4824  Business Law in Sport & Entertainment 3 hrs

1 Business Law in Sport & Entertainment

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18
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

Prerequisite Requirements
- None

Prerequisite Courses
- FIN 2100 Personal Finance and Investments 3 hrs
- MAR 3023 Marketing 4 hrs

Required Courses
- 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
- 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

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
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs

Select 1:
- STA 2023 Statistical Methods I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives
- 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

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 technology or business discipline to create, enhance or manage a technology venture. Students would learn to the College of Education.

Minor Admission Requirements

None

Minor Requirements

None

Prerequisite Courses

None

Required Courses

(18 hrs)
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- ECT 4384 Advanced Teaching Techniques for Vocational Education 3 hrs
- ECT 3062 Professional Role of the Vocational Teacher 3 hrs
- ECT 3367 Evaluation of Vocational Instruction 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
- ECT 4004 Principles and Practices of Technical Education 3 hrs

Restricted Electives

None

Required Courses

(18 hrs)
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- ECT 4384 Advanced Teaching Techniques for Vocational Education 3 hrs
- ECT 3062 Professional Role of the Vocational Teacher 3 hrs
- ECT 3367 Evaluation of Vocational Instruction 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
- ECT 4004 Principles and Practices of Technical Education 3 hrs

Restricted Electives

None

Innovation Design or Research Sequence

(6 hrs)
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- ECT 4384 Advanced Teaching Techniques for Vocational Education 3 hrs

Discipline-Specific or Experiential Sequence

(3 hrs)
- Any 3-credit discipline-specific or experiential learning entrepreneur 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.

Theatre - Minor

College of Arts and Humanities

Department of Theatre, UTC, Room: 180

E-mail: theatre@mail.ucf.edu

Earl Weaver, eweaver@mail.ucf.edu, 407-823-2862

Minor Admission Requirements

- A successful interview and current resume

Minor Requirements

None

Prerequisite Courses

None

Required Courses

(15 hrs)
- THE 2304 Script Analysis 3 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- TPP 2101 Fundamentals of Acting 3 hrs
- TPA 2201 Technical Theatre Production 2 hrs
- TPA 2201L Technical Theatre Production Lab 1 hr

Select 1:

- THE 2300 Theatre Survey or 3 hrs
- THE 2020 Survey of Theatre for Majors 3 hrs

Restricted Electives

(3 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the Theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.
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: womensst@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
- WST 3015 Introduction to Women’s Studies 3 hrs
- Select 1: 3 hrs
  - Select one course from the Theories Group:
    - WST 3522 First and Second Wave Feminisms or 3 hrs
    - WST 3561 Third Wave Feminisms or 3 hrs
    - WST 3621 Theories of Masculinity or 3 hrs
    - WST 4349 Ecofeminism or 3 hrs
    - WST 4415 Global and Transnational Feminism or 3 hrs
    - LIT 4554 Advanced Feminist Theories or 3 hrs
    - PHM 3123 Feminist Theories 3 hrs

Restricted Electives
- 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
- AML 4304 Women in China 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern 3 hrs

Representations of Women
- AML 3283 Contemporary American Women’s Fiction 3 hrs
- ARH 4871 Women in Art 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- FIL 3880C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy 3 hrs
Women's Wellness
CLP 3184 Women's Mental Health 3 hrs
NSP 4425 Women's Health Issues 3 hrs
SOP 3742 Psychology of Women 3 hrs
Select 1: 3 hrs
PEM 2405 Self Defense for Women and Men or 3 hrs
SOP 2772 Sexual Behavior 3 hrs

Women and Social Policy
ANT 3302 Sex, Gender and Culture 3 hrs
ANT 4308 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 3323 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 international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (3 hrs)
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

ANT 3610 Language and Culture 3 hrs
ANT 3145 Archaeology of Complex Societies 3 hrs
ANT 3319 Anthropology of Diaspora 3 hrs
ANT 3212 Peoples of the World 3 hrs
ANT 4702 Culture, Power and Development 3 hrs
FSS 3006 Culture and Cuisine 3 hrs
HFT 4866C Exploring Wines of the World 3 hrs
HFT 3868 History and Culture of Wine 3 hrs
HFT 4894 International Gastronomy 3 hrs
HUM 3419 Islamic Thought and Culture 3 hrs

Economics
ANT 4702 Culture, Power and Development 3 hrs
ECO 3703 International Microeconomics 3 hrs
ECO 4713 International Macroeconomics 3 hrs
ECS 4013 Development Economics 3 hrs
ECO 3302 Economics and the Environment 3 hrs
HFT 3700 Tourism Management 3 hrs
INR 4035 International Political Economy 3 hrs
ECO 4701 Seminar in Global Economic Policy 3 hrs

Biological and Geophysical Environment
IDS 3150 Foundations of Environmental Studies 3 hrs
ECO 3302 Economics and the Environment 3 hrs
SYD 4510 Environment and Society 3 hrs
HFT 4735 Tourism Geography 3 hrs
INR 4351 International Environmental Law 3 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
GIS 3043C GIS for Environmental Studies 3 hrs
GIS 4035C Remote Sensing of the Environment 3 hrs
PHI 3033 Philosophy, Religion, and the Environment 3 hrs
PHI 3640 Environmental Ethics 3 hrs

Social Structure and Change
ANT 3145 Archaeology of Complex Societies 3 hrs
ANT 3273 Law and Culture 3 hrs
ANT 4702 Culture, Power and Development 3 hrs
PLA 4830 World Legal Systems 3 hrs
SYP 4454 Global Inequality and Society 3 hrs

Media and Communication
FIL 3845 World Cinema Traditions 3 hrs
FIL 4644 Africana Cinema 3 hrs
COM 4461 Intercultural Communication 3 hrs
LIN 4643 Cross Cultural Communication 3 hrs
THE 4212 Global Theatre 3 hrs
FIL 3842 International Cinema 3 hrs

World Independent Specialization
■ Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

Foreign Language Requirements
■ Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or above is required in each course used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.

Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.
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

Required Courses (3 hrs)
- Students should take core course as early in the program as possible.
  ENC 3331 Rhetoric and Civic Engagement 3 hrs

Restricted Electives (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 3260 Professional Writing 3 hrs
  ENC 3310 Magazine Writing I 3 hrs

  Advanced Expository Writing 3 hrs
  Writing for Publication 3 hrs
  Topics in Public, Professional, and Disciplinary Writing 3 hrs
  Advanced Argumentative Writing 3 hrs
  Writing in Digital Environments 3 hrs
  Community Based Research and Writing 3 hrs
  Professional Editing 3 hrs

Rhetoric and Writing Histories and Theories 3 hrs
  Rhetorical Traditions 3 hrs
  Writing, Literacy, and Technology 3 hrs
  Alternative Rhetorics 3 hrs
  Topics in Rhetoric and Writing Histories and Theories 3 hrs
  Contemporary Composition Theory 3 hrs
  Writing and Identity 3 hrs
  Gendered Rhetorics 3 hrs
  Language and Society 3 hrs

Language and the Teaching of Writing 3 hrs
  Writing in Disciplinary Cultures 3 hrs
  Cultural Literacies 3 hrs
  Topics in Language and the Teaching of Writing 3 hrs
  Writing Pedagogy 3 hrs
  Writing/Consulting: theory & practice 3 hrs
  Modern English Grammar 3 hrs
  Language and Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
18

Other Requirements
Students must also take two courses from among the following:
- 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
CERTIFICATES

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
PSY 3951 Undergraduate Field Work 3 hrs
SOW 4941 Internship 3 hrs

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

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 3 hrs
SYG 2000 Introduction to Sociology 3 hrs

Take all of the following: 6 hrs
■ Complete both classes:
PPE 3003C Personality Theory and Research 3 hrs
SYP 3510 Sociology of Deviant Behavior 3 hrs

Required Courses (9 hrs)
CLP 4390 Forensic Psychology 3 hrs
SOP 3751 Legal Aspects of Psychology 3 hrs
SYP 3520 Criminology 3 hrs

Restricted Electives (12 hrs)
■ Note: It is the student’s responsibility to meet all prerequisites for every course selected.

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
SYP 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
Certicates

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

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: Children’s Services 3 hrs
- SOW 4560 Child Abuse: Treatment and Prevention 3 hrs

Select 1:
- SOW 4510 Field Education or Internship 9 hrs
- SOW 4941 Supervised Field Education 9 hrs

Reserved Electives
- 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
E-mail: cjadvise@mail.ucf.edu

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 Crime Intelligence and Investigative Support Analysis 3 hrs
- CJE 4663 Crime Mapping and Pattern Analysis 3 hrs
- CCJ 4076 Criminal 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

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, Health and Public Affairs I, Room: 311
David Fabianic, 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
■ Select one of the following courses:
  - ANT 4303 Anthropology of Tourism 3 hrs

Restricted Electives
■ Select one of the following:
  - CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
  - CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
  - CCJ 4610 Criminal Profiling in Criminal Justice 3 hrs

Foreign Language Requirements
■ None
Total Semester Hours Required
■ 15

Other Requirements
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate
■ At least 12 hours used in the 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

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
■ Select 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
  - Environmental Tourism area (choose two classes)
    - PUP 4204 Sustainability 3 hrs
    - SYD 4510 Environment and Society 3 hrs
  - Anthropology area (choose two classes)
    - ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
    - ANT 2410 Cultural Anthropology 3 hrs
    - ANT 3115 Archaeological Method and Theory 3 hrs
    - ANT 3701 Applied Anthropology 3 hrs
  - Latin American area (choose two classes)
    - ANT 3163 Mesoamerican Archaeology 3 hrs
    - ANT 3168 Maya Archaeology 3 hrs
    - ANT 4332 People and Cultures of Latin America 3 hrs
    - ANT 4340 Caribbean Cultures 3 hrs
    - ARH 4653 Meso American Art 3 hrs
    - CPO 4303 Comparative Latin American Politics 3 hrs
    - LAH 3400 History of Mexico and Central America 3 hrs
    - LAH 3470 History of the Caribbean 3 hrs
    - LAH 3130 Latin American History I 3 hrs
    - LAH 3200 Modern Latin America 3 hrs

Foreign Language Requirements
■ None
Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” or above (2.0) is required in each course used to satisfy the certificate.
■ At least 12 hours used in the certificate must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director.
Diplomacy - Certificate
College of Sciences
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
- 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
- Select two courses from the following list: 6 hrs
  - INR 4114 American Security Policy or
  - INR 4054 Global Politics of Energy or
  - INR 4074 Immigration Policy or
  - INR 4075 Human Rights Policy or
  - INR 4076 Global Drug Policy or
  - INR 4714 Politics of International Trade Policy or
  - INR 4104 Topics and Cases in American Foreign Policy or
  - INR 4351 International Environmental Law or
  - INR 4401 International Law I or
  - INR 4502 International Organizations or
  - AMH 4512 US Diplomatic History: 1914-1945 or
  - EUH 4620 European Great Powers: 1815-1914 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 9

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 participating departments.

Diplomacy - Certificate

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
- Choose one:
  - EDF 4903 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
- Choose one:
  - MAE 4634 Programs in Teaching of Mathematics 3 hrs
  - SSE 4396 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 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.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

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
- Choose one:
  - FIN 4941 Finance Internship 3 hrs
  - MAR 3391 Professional Selling 3 hrs
  - FIN 4941 Finance Internship 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 participating departments.
- Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.
### Finance: Corporate Finance - Certificate

**College of Business Administration**

**Department of Finance, Business Administration I, Room: 409**


*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.*

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

**Prerequisite Courses**
- None

**Required Courses**
- AGG 3131 Intermediate Financial Accounting I 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4941 Finance Internship 3 hrs
- AGG 3141 Intermediate Financial Accounting II 3 hrs

**Restricted Electives**
- None

**Other Requirements**
- None

**Total Semester Hours Required**
- 12

### Finance: Investments - Certificate

**College of Business Administration**

**Department of Finance, Business Administration I, Room: 409**


*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**
- None

**Certificate Requirements**
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

**Prerequisite Courses**
- None

**Required Courses**
- FIN 3504 Investment Analysis 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs

**Restricted Electives**
- None

**Other Requirements**
- None

**Total Semester Hours Required**
- 12

### Judaic Studies - Certificate

**College of Arts and Humanities**

**Program in Judaic Studies, Colbourn Hall, Room: 415 E-J**

[http://www.judaicstudies.cah.ucf.edu](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. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses. For minor requirements, refer to the section on Judaic Studies Minor.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- (15 hrs)
  - HBR 1120 Elementary Modern Hebrew Language and Culture I 4 hrs
  - HBR 1121 Elementary Modern Hebrew Language and Culture II 4 hrs
  - HBR 2200 Intermediate Modern Hebrew I 3 hrs
  - HBR 2201 Intermediate Modern Hebrew II 3 hrs
  - HBR 3250 Biblical Hebrew 3 hrs
  - HBR 3410 Conversational Israeli Hebrew 3 hrs

**Jewish History**
- JST 3401 Jewish People in Antiquity 3 hrs
- JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
- JST 3550 Introduction of Modernism into Judaism 3 hrs
- JST 3481 20th Century Jewish History and Thought 3 hrs
- JST 3701 History of the Holocaust 3 hrs
- JST 3415 American Jewish History 3 hrs

**Bible**
- JST 3120 Hebrew Scriptures 3 hrs
- JST 3121 The Book of Job 3 hrs
- JST 3126 Romantic Love in the Bible 3 hrs
- JST 3144 Dead Sea Scrolls 3 hrs
- JST 3190 The Biblical Prophets 3 hrs

**Literature**
- JST 3100 The Hebrew Creative Mind 3 hrs
- JST 3312 Identity and Genre 3 hrs
- JST 3751 Literature of the Holocaust 3 hrs

**Jewish Civilization**
- JST 3005 Tenets of Judaism 3 hrs
- JST 3121 Classic Texts of Judaism 3 hrs
- JST 3210 Kabbalah: Jewish Mysticism 3 hrs
- JST 3620 Contemporary Jewish Ethics and Morality 3 hrs

**Culture**
- JST 3450 Modern Jewish Experience 3 hrs
- JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
- JST 3820 Modern Israeli Culture 3 hrs
### 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.cohs.ucf.edu/comdis](http://www.cohs.ucf.edu/comdis)

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

No credit by exam (TSD, Military credit) internship or independent study credit cannot be used toward the certificate.

Certificates will be awarded only at the time of degree completion.

#### Certificate Admission Requirements
- None

#### Certificate Requirements
- None

**Required Courses (11 hrs)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 3716 Language Development</td>
<td>3</td>
</tr>
<tr>
<td>SPA 4400 Language Disorders Across the Life Span</td>
<td>3</td>
</tr>
<tr>
<td>LIN 3716L Language Development Lab</td>
<td>2</td>
</tr>
<tr>
<td>LIN 3673 Grammar &amp; Advanced Prose Style</td>
<td>3</td>
</tr>
</tbody>
</table>

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 11

#### Other Requirements
- A grade of "C-" (1.75) is required in each course.
- 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.

### Leadership Studies - Certificate

#### Office of Undergraduate Studies

**Office of Interdisciplinary Studies, Classroom I, Room: 302**

[http://www.is.ucf.edu](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

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDR 2001 Fundations of Leadership</td>
<td>2</td>
</tr>
<tr>
<td>LDR 2002 Intermediate Foundations of Leadership</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Restricted Requirements
- Choose one course from three of the areas below:

**Communication**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3011C Communication and Human Relations or</td>
<td>3</td>
</tr>
<tr>
<td>COM 3120 Organizational Communication or</td>
<td>3</td>
</tr>
<tr>
<td>COM 4461 Intercultural Communication or</td>
<td>3</td>
</tr>
<tr>
<td>COM 4462 Conflict Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Collaboration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INP 3004C Industrial/Organizational Psychology or</td>
<td>3</td>
</tr>
<tr>
<td>INP 4313 Organizational Psychology or</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4240 Organizations: Theory and Behavior or</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations or</td>
<td>4</td>
</tr>
<tr>
<td>SPC 4426 Group Dynamics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Social Relations and Culture**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3541 Biobehavioral Anthropology or</td>
<td>3</td>
</tr>
<tr>
<td>CLP 3143 Abnormal Psychology or</td>
<td>3</td>
</tr>
<tr>
<td>COM 4461 Intercultural Communication or</td>
<td>3</td>
</tr>
<tr>
<td>EXP 3304C Motivation or</td>
<td>3</td>
</tr>
<tr>
<td>SOP 3004C Social Psychology or</td>
<td>3</td>
</tr>
<tr>
<td>SOP 3723 Cross Cultural Psychology or</td>
<td>3</td>
</tr>
<tr>
<td>SOP 3742 Psychology of Women or</td>
<td>3</td>
</tr>
<tr>
<td>SOP 3784 Psychology of Diversity</td>
<td>3</td>
</tr>
</tbody>
</table>

**Politics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003 Public Administration in American Society or</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4104 Administrative Theory or</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4144 Non-Profit Organizations or</td>
<td>3</td>
</tr>
<tr>
<td>PAF 4754 Interdisciplinary Leadership in Public Affairs or</td>
<td>3</td>
</tr>
<tr>
<td>POS 3413 The American Presidency or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4206 Political Psychology or</td>
<td>3</td>
</tr>
<tr>
<td>PUP 3325 Women and Political Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>

**Ethics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130 Legal and Ethical Environment of Business or</td>
<td>4</td>
</tr>
<tr>
<td>EDF 3601 Professional Ethics in Education or</td>
<td>3</td>
</tr>
<tr>
<td>PAD 3040 Ethics and Values in Public Administration or</td>
<td>3</td>
</tr>
<tr>
<td>PHI 2108 Critical Thinking or</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3640 Environmental Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 13
Certificates

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
- 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 4715 Healthcare Marketing 3 hrs
- 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
- 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.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4715 Entertainment Marketing 3 hrs
- MAR 4941 Marketing Internship 3 hrs

1 Internship in entertainment-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
Certificates

<table>
<thead>
<tr>
<th>Certificate Requirements</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite Courses</td>
<td>None</td>
</tr>
<tr>
<td>Required Courses</td>
<td>MAR 3403  Sales Force Management 3 hrs</td>
</tr>
<tr>
<td></td>
<td>1 MAR 4941  Marketing Internship 3 hrs</td>
</tr>
</tbody>
</table>

1 Internship in sales-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language Requirements</td>
<td>None</td>
</tr>
<tr>
<td>Total Semester Hours Required</td>
<td>6</td>
</tr>
<tr>
<td>Other Requirements</td>
<td>None</td>
</tr>
</tbody>
</table>

Marketing: Services Marketing - Certificate

<table>
<thead>
<tr>
<th>College of Business Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Marketing, Business Administration II, Room: 307S</td>
</tr>
</tbody>
</table>

Certificates will be awarded only at the time of Marketing degree completion.

<table>
<thead>
<tr>
<th>Certificate Admission Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted to Marketing majors</td>
</tr>
<tr>
<td>These six hours count as the six elective marketing hours required in the major.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Certificate Requirements</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite Courses</td>
<td>None</td>
</tr>
<tr>
<td>Required Courses</td>
<td>MAR 4841  Services Marketing 3 hrs</td>
</tr>
<tr>
<td></td>
<td>1 MAR 4941  Marketing Internship 3 hrs</td>
</tr>
</tbody>
</table>

1 Internship in services-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language Requirements</td>
<td>None</td>
</tr>
<tr>
<td>Total Semester Hours Required</td>
<td>6</td>
</tr>
<tr>
<td>Other Requirements</td>
<td>None</td>
</tr>
</tbody>
</table>

Marketing: Sport Marketing Management - Certificate

<table>
<thead>
<tr>
<th>College of Business Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Marketing, Business Administration II, Room: 307S</td>
</tr>
</tbody>
</table>

Certificates will be awarded only at the time of Marketing degree completion.

<table>
<thead>
<tr>
<th>Certificate Admission Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted to Marketing majors</td>
</tr>
<tr>
<td>These six hours count as the six elective marketing hours required in the major.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Certificate Requirements</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite Courses</td>
<td>None</td>
</tr>
<tr>
<td>Required Courses</td>
<td>MAR 4711  Sport Marketing 3 hrs</td>
</tr>
<tr>
<td></td>
<td>1 MAR 4941  Marketing Internship 3 hrs</td>
</tr>
</tbody>
</table>

1 Internship in sports-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language Requirements</td>
<td>None</td>
</tr>
<tr>
<td>Total Semester Hours Required</td>
<td>15</td>
</tr>
<tr>
<td>Other Requirements</td>
<td>None</td>
</tr>
<tr>
<td>A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.</td>
<td></td>
</tr>
<tr>
<td>Grades less than &quot;C-&quot; (1.75) are not accepted.</td>
<td></td>
</tr>
<tr>
<td>No credit by exam (TSD, Military Credit) may be used.</td>
<td></td>
</tr>
<tr>
<td>Internship or Independent Study credit can be used toward the certificate.</td>
<td></td>
</tr>
<tr>
<td>Students earning the Military Science Minor are not eligible for this certificate.</td>
<td></td>
</tr>
</tbody>
</table>

Military Science - Certificate

<table>
<thead>
<tr>
<th>College of Engineering and Computer Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Army ROTC, BLDG 501</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Certificate Admission Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Certificate Requirements</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite Courses</td>
<td>None</td>
</tr>
<tr>
<td>Required Courses</td>
<td>MSL 4301C  Leadership and Management 4 hrs</td>
</tr>
<tr>
<td></td>
<td>MSL 4302C  Office and 4 hrs</td>
</tr>
<tr>
<td></td>
<td>ANH 3547  U.S. Military History Since 1900 3 hrs</td>
</tr>
<tr>
<td>Select:</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>MSL 3201C  Leadership and Problem Solving or 4 hrs</td>
</tr>
<tr>
<td></td>
<td>MSL 3202C  Leadership and Ethics 4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language Requirements</td>
<td>None</td>
</tr>
<tr>
<td>Total Semester Hours Required</td>
<td>15</td>
</tr>
</tbody>
</table>

Nonprofit Management - Certificate

<table>
<thead>
<tr>
<th>College of Health and Public Affairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Public Administration, Health and Public Affairs II, Room: 238</td>
</tr>
</tbody>
</table>

http://www.cohpa.ucf.edu/pubadm

E-mail: pa/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.

<table>
<thead>
<tr>
<th>Certificate Admission Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>
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
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 3 hrs
ENC 3241 Writing for the Technical Professional 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
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)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- RE 4103 Real Estate Appraisal and Valuation 3 hrs
- MAR 3391 Professional Selling 3 hrs
1 REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

Real Estate: Real Estate Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- REE 3043  Fundamentals of Real Estate  3 hrs
- REE 3433  Real Estate Law  3 hrs
- REE 4303  Real Estate Investment Analysis  3 hrs
- MAR 3391  Professional Selling  3 hrs
1 REE 4941  Internship  3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

Security Management - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvice@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)
- SCC 3311  Security Administration  3 hrs
- CJT 3803  Security Management  3 hrs
- CJT 4843  Risk Management in Criminal Justice/Private Security  3 hrs
- CCJ 4644  White Collar Crime  3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - PLA 5937  Seminar in Contemporary Legal Problems  3 hrs
  - CJE 3444  Crime Prevention  3 hrs
  - PLA 3277  The Law of Torts  3 hrs
  - SCC 3316  Special Security Problems  3 hrs
  - DSC 4012  Terrorism  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.
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
- 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
- 3 hrs
  - EDF 2250 Classroom Management for Substitute Teachers
  - EDG 2311 Teaching Strategies for Substitute Teachers

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
- None

Prerequisite Courses
- None

Required Courses
- 12 hrs
  - TSL 3346 English as an International Language
  - TSL 4240 Issues in Second Language Acquisition
  - TSL 4363 ESL Classroom Experiences

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- All 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

Translation and Interpretation - Certificate

College of Arts and Humanities

Department of Modern Languages and Literatures

Colbourn Hall, Room: 505

http://mll.cah.ucf.edu/

E-mail: forlang@mail.ucf.edu

Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

Certificate Admission Requirements
- None

Restrictions
- 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

#### 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

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice and Legal Studies, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements
- None

### Certificate Requirements
- 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.

---

## Women’s Studies - Certificate

#### College of Arts and Humanities
#### Program in Women’s Studies, Colbourn Hall, Room: 411
#### http://womensstudies.cah.ucf.edu
#### E-mail: womenst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269
Phone: 407-823-6502

The certificate program in Women’s Studies is designed to provide students with a basic, working knowledge of gender roles and women’s issues. The certificate program is particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

### Certificate Admission Requirements
- None

### Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses (3 hrs)
- WST 3015 Introduction to Women’s Studies 3 hrs

### Restricted Electives (9 hrs)
- See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

### Internship Option: 3 hrs
- Internship required by a student’s major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women’s issues.

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 12

### Other Requirements
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of “C” or below will not be counted toward the Women’s Studies Minor.
- At least 9 hours used in the certificate must be earned at UCF.
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.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
- See Aerospace Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.

- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (54 hrs)

- EGN 3310 Engineering Analysis-Statistics 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 3032 Probability and Statistics for Engineers 3 hrs
- EAS 3010 Fundamentals of Aerospace Flight 3 hrs
- EAS 3101 Fundamentals of Aerodynamics 3 hrs
- EAS 3800C Aerospace Engineering Measurements 3 hrs
- EAS 3810C Design of Aerospace Experiments 3 hrs
- EAS 4105 Flight Mechanics 3 hrs
- EAS 4134 High-Speed Aerodynamics 3 hrs
- EAS 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 4312C 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
- 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. Required Minors
- 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 Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

146

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.
- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None
### Accelerated Undergraduate-Graduate Programs

#### 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
- A 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, personal 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)
- UCF General Education Program (GEP) (36 hrs)

#### Core Requirements: Basic Level
- None

#### Core Requirements: Advanced Level (44 hrs)
- STA 3471 Communication Disorders in Literature and Media 3 hrs
- STA 3011 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:**
- EAB 3703 Principles of Behavior Modification 3 hrs
- EEX 4601 Introduction to Behavior Management 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EDF 3303 Learning Environments and Guidance of Young Children 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 3 hrs
    - STA 4163 Statistical Methods II 3 hrs

    **Option 2:**
    - STA 2014C Principles of Statistics and Research Methods in Communication Sciences and Disorders 3 hrs
    - SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

**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.

#### Electives
- Select 12 hours of electives. A minor or certificate is encouraged.

#### Additional Requirements
- None
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 2 hrs
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 6 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
Select 1: EGN 3321 Engineering Analysis-Dynamics or EGN 3358 Thermo-Fluids-Heat Transfer
3 hrs

Courses Required for the Major 48 hrs
COT 3100C Introduction to Discrete Structures 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
COP 3330 Object Oriented Programming 3 hrs
COP 4331C Processes for Object-Oriented Software Development 4 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 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
- 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
- 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, eecepe-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 hrs)
- See Computer Science major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (17 hrs)
- See Computer Science major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (25 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>4 hrs</td>
</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>
</tr>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CDA 3103</td>
<td>Computer Logic and Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3100C</td>
<td>Introduction to Discrete Structures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIE 3360</td>
<td>Security in Computing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3402</td>
<td>Systems Software</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3960</td>
<td>CS Foundation Exam</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level (20 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4768C</td>
<td>Computer Architecture</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COT 4210</td>
<td>Discrete Structures II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4020</td>
<td>Programming Languages I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4650</td>
<td>Operating Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4810</td>
<td>Topics in Computer Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (15 hrs)

- Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

4000-5000 level mathematics or statistics (6 hrs)

- courses from: STA, MAP, MAA, MAD, MAS prefixes and the following courses.
- No independent study hours, internship, or cooperative education hours are allowed.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>
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 the 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 CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- Engineering Core: Basic
  - EGN 1007C Engineering Concepts and Methods 1 hr
  - EGN 1006C Introduction to the Engineering Profession 1 hr

4. Core Requirements: Advanced Level (53 hrs)
- Engineering Core: Advanced
  - EGN 3310 Engineering Analysis-Statics 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:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer or 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

Accelerated Undergraduate-Graduate Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAS 3106</td>
<td>Linear Algebra</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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
- 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 Undergraduate Hours Required
- 120

Total Combined Hours Required
- 138

Honors In Major
- None

Related Programs
- Computer Engineering
- Information Technology

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
  - Undergraduate students are not eligible to take 6000-level courses

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

Graduate Courses Link
- None

UNIVERSITY OF CENTRAL FLORIDA
### Accelerated Undergraduate-Graduate Programs

#### 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

#### 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
- 46 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

### 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.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

### 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 Beler, 407-823-2225

#### Phone: 407-823-2224

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 who change degree programs and select this major must apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000- level courses to meet this requirement.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

#### 1. UCF General Education Program (GEP) (36 hrs)
- See the History major in this catalog for track specific GEP requirements.

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### 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 Beler, 407-823-2225

#### Phone: 407-823-2224

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 who change degree programs and select this major must apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000- level courses to meet this requirement.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

#### 1. UCF General Education Program (GEP) (36 hrs)
- See the History major in this catalog for track specific GEP requirements.
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 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)
   - 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
   - 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.oeas.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. Core Program Prerequisites (CPP) (19 hrs)
- See Industrial Engineering major in the Catalog for the CPP requirements.
- See “Common Prerequisites” in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (60 hrs)
Industrial Engineering Core: Basic (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.
EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (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 3022 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
ESI 4620C Industrial Engineering Applications of Computers 3 hrs

Select 1:
EGN 3358 Thermo-Fluids-Heat Transfer or 3 hrs
EGN 3343 Thermodynamics 3 hrs

1 Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEEMS undergraduate coordinator.
2 Substitute for EGN 4624
3 Substitute for ESI 4312
4 Substitute for ESI 4523C

5. Restricted Electives (4 hrs)
- Three (3) hours of technical electives should be taken at the 5000 or 6000 level and 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

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
Accelerated Undergraduate-Graduate Programs

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

Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
  - See Mechanical Engineering major in the Catalog for track specific GEP requirements

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (10 hrs)
  - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
  - See Mechanical Engineering major in the Catalog for CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
   - EGN 1008C: Introduction to the Engineering Profession 1 hr
   - EGN 1007C: Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)
   - EGN 3310: Engineering Analysis-Statics 3 hrs
   - EGN 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 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:

   Energy Systems Option  (21 hrs)
   - EML 3101: Thermodynamics of Mechanical Systems 3 hrs
   - EML 4304C: Design of Thermo-Fluid Experiment and Heat Transfer 2 hrs
   - EML 4703: Fluid Mechanics II and 3 hrs
   - EML 4145: Topics in Heat Transfer and Fluid Mechanics 2 hrs
   - EML 4221C: Mechanical Systems Experimental Techniques and Analysis 2 hrs

   Mechanical Systems Option  (21 hrs)
   - EML 4304C: Design of Thermo-Fluid Experiment and Heat Transfer 2 hrs
   - EML 3262: Kinematics of Mechanisms and Machines 3 hrs
   - EGM 3601L: Solid Mechanics Lab and Analysis 2 hrs
   - EML 4221C: Mechanical Systems Experimental Techniques and Analysis 2 hrs

   Materials Option  (21 hrs)
   - EMA 3012C: Experimental Techniques in Mechanics and Materials 3 hrs
   - EMA 4102: Thermodynamics and Kinetics of Materials 3 hrs
   - EMA 3124: Design and Selection of Materials 3 hrs
   - EMA 4223: Fundamentals of Mechanical Behavior of Materials 3 hrs

- Approved Electives (5000 level course) 12 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

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements (6 hrs)
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:
- EML 4501C: Engineering Design I or 3 hrs
- EGN 4412C: Interdisciplinary Design I 3 hrs

Select 1:
- EML 4502C: Engineering Design II or 3 hrs
- EGN 4413C: Interdisciplinary Design II 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in 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 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:
  - 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 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.oas.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.
- 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.
- 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

  1 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.
  1 MCB Microbiology for Health Professionals 4 hrs
  2 CHM 1032 General Chemistry 3 hrs
  1 ZOO Human Anatomy 4 hrs
  3733C

UNIVERSITY OF CENTRAL FLORIDA
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Accelerated Undergraduate-Graduate Programs

1. Select 1: 3 hrs
   - Nursing

2. Core Requirements: Basic Level
   - None

3. Core Requirements: Advanced Level (57 hrs)
   - Any variation from the following must be approved by the College of Nursing.

   - NUR 3065 Health Assessment 2 hrs
   - NUR 3085L Health Assessment Lab 1 hr
   - NUR 3825 The Role of the Professional Nurse 2 hrs
   - NUR 3028 Essentials of Nursing Practice 2 hrs
   - NUR 3028L Essentials of Nursing Practice Lab 1 hr
   - NUR 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 2 hrs
   - NUR 3445 Nursing Care of Families 3 hrs
   - NUR 3445L Nursing Care of Families Clinical 2 hrs
   - DEP 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
   - NUR 4229 Accelerated Transitioning into Professional Practice as a Leader 3 hrs
   - NUR 4257 Introduction to Critical Care Nursing 3 hrs
   - NUR 4945L Nursing Practicum 4 hrs
   - NUR 4535 Psychiatric Mental Health Nursing 3 hrs
   - NUR 4535L Psychiatric Mental Health Clinical 2 hrs
   - NUR 4637 Public Health Nursing 2 hrs
   - NUR 4637L Public Health Nursing Clinical 1 hr

   - 1 Students without a research course on transcript must take NUR 3165 (3 hrs)

4. Restricted Electives (3 hrs)
   - Nursing Elective
     - Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

5. Capstone Requirements
   - None

6. Foreign Language Requirements
   - Admissions
     - None
   - Graduation
     - None

7. Electives
   - None

8. 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

9. Required Minors
   - None

10. 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

11. 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.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
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: 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

Interim Requirements:
- Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Program Phase:
- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies website for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
- 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
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Prefer MAC 1105C College Algebra 3 hrs
Required STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
1. Prefer SYG 2000 Introduction to Sociology or
1. Prefer PSY 2012 General Psychology 3 hrs

Select 1: 3 hrs
1. Prefer ECO 2013 Principles of Macroeconomics or
1. Prefer ECO 2023 Principles of Microeconomics or
1. Prefer POS 2041 American National Government 3 hrs
1. One of these courses is required to meet General Education requirements.

E: Science Foundations (6 hrs)
Suggested BSC 2010C Biology I 4 hrs
Required CHM 1032 General Chemistry 3 hrs
3733C 2 ZOO Human Anatomy 4 hrs
3733C 2 PCB 3703C Human Physiology 4 hrs
HUN 3011 Human Nutrition 3 hrs
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)

2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- MCB 2004C Microbiology for Health Professionals 4 hrs
1. CHM 1032 General Chemistry GEP
2. ZOO Human Anatomy 4 hrs
3733C 2 PCB 3703C Human Physiology 4 hrs
HUN 3011 Human Nutrition 3 hrs
1. or other physical or life science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.
2. May take Anatomy and Physiology sequence of six-eight total credits.
3. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (30 hrs)
- NUR 3805 Dimensions of Professional Nursing 3 hrs
Practice
NUR 3165 Nursing Research 3 hrs
NUR 3634 Community Health Nursing 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 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
NURSING LEADERSHIP & MANAGEMENT TRACK 12 hrs

- Takes the following 12 credits (nine graduate credits also applied to MSN)
- NGR 5720 Organizational Dynamics and 3 hrs
- NGR 5871 Health Care Informatics and 3 hrs
- NGR 5800 Theory for Advanced Practice Nursing and 3 hrs
- NUR 3065 Health Assessment and 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

5. Restricted Electives

Upper Division Credit 27 hrs

- Takes the following 12 credits (nine graduate credits also applied to MSN)
- NUR 3028 Essentials of Nursing Practice 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445 Nursing Care of Families 3 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs

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.
STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

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 colleges A.S. programs have slightly different requirements. Students who do not have the new A.S. must 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.

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 the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. If students wish to take an upper division course at the main Orlando campus, they should see a Regional Campus academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact the Director of Regional Campuses Advising at 407-823-4547. (Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college.)

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:
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
■ None

3. Core Requirements: Basic Level (10 hrs)
   MAN 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

4. Core Requirements: Advanced Level (10 hrs)
■ 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:
  INP 3004C Industrial/Organizational Psychology and 3 hrs
  MAR 3023 Marketing and 4 hrs
  MAN 3302 Essentials of Human Resource 3 hrs
  MAN 3354 Management for Non-Business Majors and 3 hrs
  MAN 3354 Employee Training for Non-Business Majors and 3 hrs
  ACG 3082 Accounting For Non-Business Majors and 3 hrs
  Restricted Elective (Consult with Program Advisor) 3 hrs

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<table>
<thead>
<tr>
<th>Track</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Industrial Operations Track</td>
<td>21</td>
</tr>
<tr>
<td>Criminal Justice Track</td>
<td>18</td>
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<tr>
<td>Health Services Administration</td>
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<td>Select 4:</td>
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<tr>
<td>Health Services Administration</td>
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<td>Industrial Operations Track</td>
<td>21</td>
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<td>Criminal Justice Track</td>
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<tr>
<td>Early Childhood Education Track</td>
<td>21</td>
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<tr>
<td>Take all of the following:</td>
<td>21</td>
</tr>
<tr>
<td>PLA 3014 Law and the Legal System and Legal Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 3155 Legal Writing or Civil Practice and Procedure or The Law of Torts or Criminal Procedure or The Law of Contracts or Professional Ethics and Liability</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 3111 U.S. Health Care Systems and Organization &amp; Management for Health Agencies I and Health Care Automation and Epidemiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4111 Health Law and Ethics or Principles of Managed Care or Principles of Managed Care Systems or Health Care Research Methods or Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3700 Social and Emotional Development of Young Children and Early Reading, Writing and Language Arts and Curriculum Activities in Early Childhood and Classroom Management and Guidance of Young Children and Parent Involvement in Education and Young Children With Special Needs</td>
<td>3 hrs</td>
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<tr>
<td>PL 4014 Corrections and Penology or Police and Society or Criminal Procedure or The Law of Contracts or Professional Ethics and Liability</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3111 is a prerequisite for all of the following classes 3 hrs</td>
<td></td>
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<tr>
<td>HSA 3111 is a prerequisite for all of the following classes 2 PR: CGS 2100C 3 PR: STA 2014C or STA 2023 1 PR: EEC 3700</td>
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<td>CET 3383 is not shared with CET 4427 and CET 4446 1 PR: C# 1 PR: CET 4483, and MAC 1105 2 PR: CET 4483, and MAC 1105</td>
<td>395</td>
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</table>

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 requirement may be admitted, but they must satisfy the CLAS requirement during 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.cohpa.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 18 hours of transferable general education courses.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- The courses designated in section 1 below may be taken at a Florida 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 internships and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, 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

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

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

Degree 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
- Students 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 included in the major.
- Students majoring in General Business 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.
- Students majoring in General Business 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 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 complete all Gordon Rule and CLAS requirements prior to admission to this degree.
- Students must have at least a 2.0 GPA in the major and COB.
- Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied toward the major.

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
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
- MAC 3023 Marketing 4 hrs
- MAR 3023 Supply Chain Management 4 hrs

1. Required in 1st or 2nd semester.
2. Must be taken with GEB 3031

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 3813 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
- 1. GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- 2. GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

1. Required in 1st or 2nd semester.
2. Must be taken with GEB 3031

7. Foreign Language Requirements
- Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation
- None

8. Electives
- Must be outside of the College of Business (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 132
# Statewide Articulated A.S. To B.S. Programs

**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 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 the remaining course.
- 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" or higher transfer into the program and students must have a "C" or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- None

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

**Equipment Fees**
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

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**Hospitality Management - A.S. to B.S. Track (B.S.)**

**Rosen College of Hospitality Management**

**Department of Hospitality Services,**

**9907 Universal Boulevard,**

**Orlando, FL 32819**

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

**Dr. Abraham Pizam,**

**Dean**

**Phone:** 407-903-8000

**Admission Requirements**
- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study

**Degree Requirements**
- None

---

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

- 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level

- MAC 1105C College Algebra 3 hrs

<table>
<thead>
<tr>
<th>Select 1:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C Computer Fundamentals for Business or GEPP</td>
</tr>
<tr>
<td>STA 2023  Statistical Methods I</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level

- Hospitality Management Core 27 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3431</td>
<td>Hospitality industry Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4295</td>
<td>Leadership and Strategic Management in Hospitality Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4464</td>
<td>Hospitality Industry Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4944</td>
<td>Practicum</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

- Students should select one of the following options to fulfill their hospitality management restricted elective requirement.

**Restricted Electives**

- Students must take 15 credit hours (five courses) from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 3008</td>
<td>Culture and Cuisine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 4135</td>
<td>Corporate Contract and Managed Services Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 4266C</td>
<td>Catering and Banquet Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3353</td>
<td>Golf Planning &amp; Operations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3354</td>
<td>Agronomy for Golf Course Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3355</td>
<td>Golf Planning &amp; Operations II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3357</td>
<td>Golf &amp; Club Event Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3384</td>
<td>Golf and Club Enterprises Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3654</td>
<td>Franchising in the Restaurant Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3741</td>
<td>Meeting Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3798</td>
<td>Fairs and Festivals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3868</td>
<td>History and Culture of Wine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4253</td>
<td>Hotel Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4266</td>
<td>Restaurant Brand Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4268</td>
<td>Case Studies in Restaurant Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4274</td>
<td>Resort Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4281</td>
<td>Restaurant Leadership Strategies and Tactics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning and Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4358</td>
<td>Golf &amp; Club Facility Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4432</td>
<td>Hospitality Industry Auditing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Statewide Articulated A.S. To B.S. Programs

HFT 4522  Resort Sales Tactics and Strategies  3 hrs
HFT 4532  Managing the Employee Experience in the Theme Park and Attraction Industry  3 hrs
HFT 4561  Destination Marketing  3 hrs
HFT 4614  Risk Management in Theme Parks and Attractions  3 hrs
HFT 4735  Tourism Geography  3 hrs
HFT 4736  Destination Management  3 hrs
HFT 4754  Exhibit and Trade Show Operations  3 hrs
HFT 4759  Product Development in Theme Parks and Attractions  3 hrs
HFT 4762  Current Practices in the Airline Industry  3 hrs
HFT 4766  Managing the Guest Experience in the Theme Park and Attraction Industry  3 hrs
HFT 4787  Operational Issues in the Theme Park and Attraction Industry  3 hrs
HFT 4795  Entertainment Arts and Events  3 hrs
HFT 4796  International Events  3 hrs
HFT 4864  Seminar in Quality Brewing and Fine Beer  3 hrs
HFT 4864C  Exploring Wines of the World  3 hrs
HFT 4894  International Gastronomy  3 hrs
HUN 3013  Nutrition Concepts and Issues in the Food Service Industry  3 hrs

Specialized Tracks  15 hrs

- Or students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

Theme Park and Attraction Mgmt Track  15 hrs

HFT 4532  Managing the Employee Experience in the Theme Park and Attraction Industry  3 hrs
HFT 4759  Product Development in Theme Parks and Attractions  3 hrs
HFT 4614  Risk Management in Theme Parks and Attractions  3 hrs
HFT 4786  Managing the Guest Experience in the Theme Park and Attraction Industry  3 hrs
HFT 4787  Operational Issues in the Theme Park and Attraction Industry  3 hrs
HFT 4795  Entertainment Arts and Events  3 hrs

Golf and Club Management Track  15 hrs

HFT 3353  Golf Planning & Operations I or  3 hrs
HFT 3354  Agronomy for Golf Course Management or  3 hrs
HFT 3355  Golf Planning & Operations II or  3 hrs
HFT 3357  Golf & Club Event Operations or  3 hrs
HFT 3384  Golf and Club Enterprises Management  3 hrs
HFT 4358  Golf & Club Facility Design  3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- State University System foreign language requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

8. Electives

- None

9. Additional Requirements

- Grades of “C-” (1.75) or below do not transfer into the Hospitality Management core or restricted electives.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Exam Week only.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in 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

- 124

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- Florida public community college students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses

HFT 2401  Hospitality Industry Financial Accounting  3 hrs
HFT 3353  Golf Planning & Operations I or  3 hrs
HFT 3354  Agronomy for Golf Course Management or  3 hrs
HFT 3355  Golf Planning & Operations II or  3 hrs
HFT 3357  Golf & Club Event Operations or  3 hrs
HFT 3384  Golf and Club Enterprises Management or  3 hrs
HFT 4358  Golf & Club Facility Design  3 hrs

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

Equipment Fees

- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Nursing - A.S. to B.S.N. Track (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
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
Statewide Articulated A.S. To B.S. Programs

Degree Requirements

- Completion of all common program prerequisite courses with at least a grade of "C" (2.0) or better in each course
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements
- The courses designated in sections 1 and 2 below may be taken at a Florida 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 A.S. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college should complete those courses prior to their last 30 hours at UCF.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Preferred MAC 1105C College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)
- Required STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Required SYG 2000 Introduction to Sociology 3 hrs
- Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1:
- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

Select 2:
- Required SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology 3 hrs
- Required PSY 2012 General Psychology or SYG 2000 Introduction to Sociology GEP

Select 3:
- Required ENC 1101 Composition I or ENC 1102 Composition II 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs

1. UCF Core 24 hrs
- Required NUR 3028 Health Assessment 2 hrs
- Required NUR 3065 Nursing Research 3 hrs
- Required NUR 3634 Community Health Nursing 3 hrs
- Required NUR 4535 Psychiatric Mental Health Clinical 3 hrs
- Required NUR 4535L Psychiatric Mental Health Clinical 2 hrs
- Required NUR 3225 Nursing Care of the Adult I 3 hrs

Upper Division Credit 27 hrs
- May be met by validation
- NUR 3028 Essentials of Nursing Practice 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 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)
   - NSP/NUR XXXX Any two upper division nursing electives

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 enrollment in NUR 3634.

Graduation
- None

8. Electives

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.

Progression Requirements:
   - Prior to NUR 3028: 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.

Other:
   - Selected Courses may be offered at regional campuses.
   - The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Completion of all courses in major with a grade of “C” (2.0) or better
   - Cumulative overall GPA of 2.5 or above
   - College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
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 (30 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

- **Equipment Fees**
  - Part-Time Student: $25 per term
  - Full-Time Student: $50 per term
COMMON COURSE NUMBERING SYSTEM

Classification of Courses
The University course numbering system is as follows:

0-0999. Subcollegiate level and not counted in meeting degree requirements.

1000-2999. Freshman and sophomore level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and seniors.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than 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 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>
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<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

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Exception to Equivalency

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 transferable. 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.
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<th>Common Course Numbering System</th>
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<tr>
<td>ECO  Economics</td>
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<tr>
<td>ECP  Economic Problems &amp; Policy</td>
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<tr>
<td>ECS  Economic Systems &amp; Development</td>
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<tr>
<td>ECT  Education: Career/Technical</td>
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<tr>
<td>ECW  Education: Career/Workforce</td>
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<tr>
<td>EDA  Educational Administration</td>
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<tr>
<td>EDE  Education: Elementary</td>
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<tr>
<td>EDF  Education: Foundations and Policy Studies</td>
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<tr>
<td>EGG  Education: General</td>
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<tr>
<td>EDH  Education: Higher</td>
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<tr>
<td>EDM  Education: Middle School</td>
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<tr>
<td>EDP  Educational Psychology</td>
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<tr>
<td>EDS  Education Supervision</td>
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<tr>
<td>ESC  Education: Early Childhood</td>
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<tr>
<td>EED  Education: Emotional Disorders</td>
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<tr>
<td>EEE  Engineering: Electrical and Electronic</td>
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<tr>
<td>EEL  Engineering: Electrical</td>
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<tr>
<td>EER  Electrical/Electronics Repair</td>
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<tr>
<td>EES  Engineering Science</td>
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<tr>
<td>EET  Electronic Engineering Technology</td>
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<tr>
<td>EEEV  Electrical/Electronic: Vocational</td>
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<tr>
<td>EEI  Education: Exceptional Child</td>
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<tr>
<td>EGC  Counselor Education</td>
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<tr>
<td>EGI  Education: Gifted</td>
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<tr>
<td>EGM  Engineering Science</td>
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<tr>
<td>EGN  Engineering: General</td>
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<td>EGS  Engineering: Support</td>
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<tr>
<td>EHD  Education: Hand Of Hearing &amp; Dead</td>
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<tr>
<td>EIA  Education: Industrial Arts</td>
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<tr>
<td>EIN  Industrial Engineering</td>
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<tr>
<td>EIV  Education: Industrial/Vocational</td>
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<tr>
<td>ELD  Education: Specific Learning Disabilities</td>
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<tr>
<td>ELM  Education: Liberal Studies</td>
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<tr>
<td>EMA  Materials Engineering</td>
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<tr>
<td>EMC  Engineering: Mechanical &amp; Chemical</td>
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<tr>
<td>EME  Education: Technology and Media</td>
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<tr>
<td>EMB  Education: Mechanical</td>
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<tr>
<td>EMR  Education: Mental Retardation</td>
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<tr>
<td>EMS  Emergency Medical Services</td>
</tr>
<tr>
<td>ENC  English Composition</td>
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<tr>
<td>ENG  English - General</td>
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<tr>
<td>ENL  English Literature</td>
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<tr>
<td>ENS  English For Non-Native Speakers</td>
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<tr>
<td>ENU  Engineering: Nuclear</td>
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<tr>
<td>ENV  Engineering: Environmental</td>
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<tr>
<td>ENY  Entomology</td>
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<tr>
<td>EOC  Ocean Engineering</td>
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<tr>
<td>EPD  Education: Physical &amp; Multiple Disabilities</td>
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<tr>
<td>EPH  Education: Physical &amp; Multiple Handicapped</td>
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<tr>
<td>EPW  Education: Preparation Institutes</td>
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<tr>
<td>ESC  Earth Science</td>
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<tr>
<td>ESE  Education: Secondary</td>
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<tr>
<td>ESI  Industrial/Systems Engineering</td>
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<tr>
<td>ESL  College-Prep English For Non-Native Speakers</td>
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<tr>
<td>EST  Electronic Speciality Technology</td>
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<tr>
<td>ETC  Engineering Technology: Civil</td>
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<tr>
<td>ETD  Engineering Technology: Drafting</td>
</tr>
<tr>
<td>ETF  Education: Technology Education</td>
</tr>
<tr>
<td>ETR  Engineering Technology: General</td>
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<tr>
<td>ETI  Engineering Technology: Industrial</td>
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<tr>
<td>ETM  Engineering Technology: Mechanical</td>
</tr>
<tr>
<td>ETN  Electroneurodiagnostics</td>
</tr>
<tr>
<td>ETP  Engineering Technology: Power</td>
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<tr>
<td>EUH  European History</td>
</tr>
<tr>
<td>EUS  European Studies</td>
</tr>
<tr>
<td>EVI  Education: Visually Impaired-Blind</td>
</tr>
<tr>
<td>EVR  Environmental Studies</td>
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<tr>
<td>EVS  Environmental Science</td>
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<tr>
<td>EVT  Education: Vocational/Technical</td>
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<tr>
<td>EXP  Experimental Psychology</td>
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<tr>
<td>FAD  Home Economics: Family Development</td>
</tr>
<tr>
<td>FAM  Fashion Modeling</td>
</tr>
<tr>
<td>FAS  Fishery &amp; Aquacultural Science</td>
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<tr>
<td>FES  Fire and Emergency Services</td>
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<tr>
<td>FFP  Fire Fighting &amp; Protection</td>
</tr>
<tr>
<td>FL  Film</td>
</tr>
</tbody>
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<thead>
<tr>
<th>University of Central Florida</th>
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<tbody>
<tr>
<td>IDC  Interdisciplinary Design</td>
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<tr>
<td>IDH  Interdisciplinary Honors</td>
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<tr>
<td>IDN  Indonesian Language</td>
</tr>
<tr>
<td>IDS  Interdisciplinary Studies</td>
</tr>
<tr>
<td>IDT  Indonesian Culture in Translation</td>
</tr>
<tr>
<td>IDW  Indonesian Literature (Writings)</td>
</tr>
<tr>
<td>IEA  Industrial Education Applied</td>
</tr>
<tr>
<td>IHS  Interdisciplinary Health Sciences</td>
</tr>
<tr>
<td>IND  Interior Design</td>
</tr>
<tr>
<td>INP  Industrial and Applied Psychology</td>
</tr>
<tr>
<td>INR  International Relations</td>
</tr>
<tr>
<td>INS  International Studies</td>
</tr>
<tr>
<td>INT  Sign Language Interpreting</td>
</tr>
<tr>
<td>IPM  Integrated Pest Management</td>
</tr>
<tr>
<td>ISC  Interdisciplinary Sciences</td>
</tr>
<tr>
<td>ISM  Information Systems Management</td>
</tr>
<tr>
<td>ISS  Interdisciplinary Social Sciences</td>
</tr>
<tr>
<td>ITA  Italian Language</td>
</tr>
<tr>
<td>ITT  Italian Culture in Translation</td>
</tr>
<tr>
<td>ITW  Italian Literature (Writings)</td>
</tr>
<tr>
<td>JOU  Journalism</td>
</tr>
<tr>
<td>JPN  Japanese</td>
</tr>
<tr>
<td>JPT  Japanese Culture in Translation</td>
</tr>
<tr>
<td>JPR  Japanese or Translation Skills</td>
</tr>
<tr>
<td>JPW  Japanese Literature (Writings)</td>
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<tr>
<td>JST  Jewish/Judaic Studies</td>
</tr>
<tr>
<td>KOR  Korean Language</td>
</tr>
<tr>
<td>KOT  Korean Culture in Translation</td>
</tr>
<tr>
<td>KOW  Korean Literature (Writings)</td>
</tr>
<tr>
<td>LAA  Landscape Architecture</td>
</tr>
<tr>
<td>LAM  Language Arts - English Education</td>
</tr>
<tr>
<td>LAH  Latin American History</td>
</tr>
<tr>
<td>LAS  Latin American Studies</td>
</tr>
<tr>
<td>LAT  Latin Language Study</td>
</tr>
<tr>
<td>LAW  Law</td>
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<tr>
<td>LBS  Labor Studies</td>
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<tr>
<td>LDE  Landscape Design</td>
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<tr>
<td>LDR  Leadership Studies</td>
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<tr>
<td>LEI  Leisure</td>
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<tr>
<td>LGI  Lingua Language</td>
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<tr>
<td>LGL  Lingua Language</td>
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<tr>
<td>LGT  Lingual Culture in Translation</td>
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<td>LGW  Linguistics</td>
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<tr>
<td>LIA  Library and Information Studies</td>
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<tr>
<td>LIT  Literature</td>
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<tr>
<td>LNW  Latin Literature (Writings)</td>
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<tr>
<td>MAA  Mathematics - Analysis</td>
</tr>
<tr>
<td>MAC  Mathematics - Calculus and Precalculus</td>
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<tr>
<td>MAD  Mathematics - Discrete</td>
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<tr>
<td>MAE  Mathematics Education</td>
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<tr>
<td>MAG  Mechanized Agriculture</td>
</tr>
<tr>
<td>MAN  Management</td>
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<tr>
<td>MAP  Mathematics Applied</td>
</tr>
<tr>
<td>MAR  Marketing</td>
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<tr>
<td>MAS  Mathematics - Algebraic Structures</td>
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<tr>
<td>MAT  Mathematics</td>
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<tr>
<td>MCB  Microbiology</td>
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<tr>
<td>MCC  Special Topics in Mass Communication</td>
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<tr>
<td>MDM  Midwifery</td>
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<tr>
<td>MEA  Medical Assisting Technology</td>
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<tr>
<td>MEL  Medical Science Electives</td>
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<tr>
<td>MEM  Medieval and Early Modern Studies</td>
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<tr>
<td>MET  Meteorology</td>
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<td>MGF  Mathematics - General and Finite</td>
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<tr>
<td>MHH  Mathematics - History and Foundations</td>
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<td>MHS  Mental Health Services</td>
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<td>MJS  Military Science</td>
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<tr>
<td>MKA  Marketing Applications</td>
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<tr>
<td>MLS  Medical Laboratory Science</td>
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<tr>
<td>MLT  Medical Laboratory Technology</td>
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<tr>
<td>MMC  Mass Media Communication</td>
</tr>
<tr>
<td>MNA  Management: Applied</td>
</tr>
<tr>
<td>MOB  Molecular Biophysics</td>
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<tr>
<td>MOM  Motorcycle Mechanics</td>
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<tr>
<td>MRE  Medical Records (Discontinued Effective 2003)</td>
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<td>MSL</td>
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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.

Special Undergraduates Grad¹
Directed Independent Studies 1906, 2905, 3905, 4906, 5907
Directed Independent Research 4912, 5917
Special Undergraduate Research IDS 3913, 4914
Special Topics/Seminars 1931, 2930, 3930, 4932, 5937
¹Internship, Practicums, Clinical Prac 3940, 4941, 5944
Cooperative Education 1949, 2949, 3949, 4949, 5949
Honors Undergraduate Thesis 3970H, 4970H
Honors Directed Reading¹ 4903H
Honors Directed Reading ¹ 4904H
Study Abroad 4953, 5957
¹These courses may be assigned variable credit. Some may be repeated upon approval.
¹The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.
¹Enrollment is limited to those students who are fully admitted to the Graduate Program.
¹Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours
With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend
PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.
CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.
CI: (Consent of the Instructor)

Hours Code
Each course listed is followed by a code that shows hours of credit and contact hours.
Example: ART 2500C CAH-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, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

<table>
<thead>
<tr>
<th>College/School/Department</th>
<th>Department</th>
<th>Abbreviation</th>
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<tbody>
<tr>
<td>BA Accounting</td>
<td>ACCT</td>
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<tr>
<td>BA Business</td>
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<td>BA Economics</td>
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<td>BA Finance</td>
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<td>BA Management</td>
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<td>BA Management Information System</td>
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<td>BA Marketing</td>
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<tr>
<td>CAH African American Studies</td>
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<tr>
<td>CAH Art</td>
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<tr>
<td>CAH Arts &amp; Humanities</td>
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<tr>
<td>CAH Digital Media</td>
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<td>CAH Film</td>
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<td>CAH Foreign Languages</td>
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<td>CAH History</td>
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<td>CAH Judaic Studies</td>
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<td>CAH Philosophy</td>
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<td>CAH Theatre</td>
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<td>CAH Women’s Studies</td>
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<tr>
<td>COM Molecular Biology &amp; Microbiology</td>
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<td>CON Nursing</td>
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<td>COS Biology</td>
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<td>COS Chemistry</td>
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<td>COS Communication</td>
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<td>COS Mathematics</td>
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<td>COS Physics</td>
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<td>COS Political Science</td>
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<td>COS Psychology</td>
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<td>COS Radio/TV</td>
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<tr>
<td>COS Sociology &amp; Anthropology</td>
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<td>COS Statistics</td>
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<td>ECS Air Force ROTC-Aerospace</td>
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<td>ECS Civil &amp; Environmental</td>
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<td>ECS Electrical Eng &amp; Computer Sci</td>
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<td>ECS Engineering</td>
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<td>ECS Engineering Technology</td>
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<td>ECS Industrial &amp; Management</td>
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<tr>
<td>ECS Mechanical/Materials/Aerospace</td>
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<td>ECS Military Science-Army ROTC</td>
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<td>ED Child, Family &amp; Comm Services</td>
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<td>ED Ed Research, Tech &amp; Lead</td>
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<td>ED Educational Foundations</td>
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<td>ED Educational Studies</td>
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<td>ED Human Services/Wellness</td>
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<td>ED Instructional Programs</td>
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<td>ED Teaching &amp; Learning Principles</td>
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<td>HM Hospitality Management</td>
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<td>HPA Communicative Disorders</td>
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<td>HPA Health &amp; Public Affairs</td>
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<td>HPA Health Information Management</td>
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<td>HPA Public Administration</td>
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<td>HPA Social Work</td>
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<tr>
<td>UGST Undergrad/Interdisc Studies</td>
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### UCF Courses and Descriptions

**Finding a Course in this List:** The UCF courses in this section are listed alphabetically by prefix. Consult the “Common Course Numbering System” section of the Undergraduate Catalog for additional information.

**Availability of Courses:** The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at https://my.ucf.edu for those courses offered each semester/term. At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ACG 2071 BA-ACCT 3(3,0)</td>
<td>Principles of Managerial Accounting: PR: ACG 2021 and MAC 1105C or equivalent. The purpose of this course is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.</td>
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<tr>
<td>ACG 3082 BA-ACCT 3(3,0)</td>
<td>Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.</td>
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<tr>
<td>ACG 3131 BA-ACCT 3(3,0)</td>
<td>Intermediate Financial Accounting I: PR: Junior standing. Accounting major or minor and ACG 2021 and ACG 2071 with a grade of “C” (2.0) or better. Technical knowledge about accounting measurement and disclosure, as well as how financial statements are analyzed and interpreted by external users. Fall, Spring.</td>
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<tr>
<td>ACG 3141 BA-ACCT 3(3,0)</td>
<td>Intermediate Financial Accounting II: PR: Accounting major or minor, ACG 3131 with a grade of “C” (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.</td>
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<tr>
<td>ACG 3361 BA-ACCT 3(3,0)</td>
<td>Cost Accounting: PR: Junior standing. Accounting major or minor, and MAC 1105C, ECO 2013, ECO 2023, and ACG 2071 with a grade of “C”. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.</td>
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<tr>
<td>ACG 3501 BA-ACCT 3(3,0)</td>
<td>Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of “C” (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.</td>
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<tr>
<td>ACG 4401C BA-ACCT 3(3,1)</td>
<td>Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and COS 2100C, with a grade of “C” or better. Manual and computer-based accounting information systems. Fall, Spring.</td>
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AMH 4680 CAH-HIST 3(3,0) Women in American Science: PR: AMH 2010 or AMH 2020. Experiences怎样 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. Intensive reading and class discussion 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. Reading and class discussion of the literature on selected topics of the Jacksonian age. Occasional.

AMH 5176 CAH-HIST 3(3,0) Colloquium in Civil War and Reconstruction: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Civil War and Reconstruction era. Occasional.

AMH 5219 CAH-HIST 3(3,0) Colloquium in Late 19th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of late 19th century U.S. Occasional.

AMH 5296 CAH-HIST 3(3,0) Colloquium in 20th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion on selected topics in 20th-century U.S. May be used in the degree program a maximum of 4 times. Occasional.

AMH 5378 CAH-HIST 3(3,0) History of Technology: PR: Graduate standing or C.I. Intensive reading and class discussion of the historical literature of American foreign policy. May be repeated for credit only when course content is different. Occasional.

AMH 5391 CAH-HIST 3(3,0) Colloquium in U.S. Cultural History: PR: Graduate standing or senior standing or C.I. Students will read and discuss a common or diverse body of the significant literature in the field. Occasional.

AMH 5406 CAH-HIST 3(3,0) Colloquium in American South: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Southern history from colonial origins to the present. Occasional.

AMH 5446 CAH-HIST 3(3,0) Colloquium in U.S. Frontier: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. Occasional.

AMH 5515 CAH-HIST 3(3,0) Colloquium in U.S. Diplomatic History: PR: Graduate standing or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit only when course content is different. Occasional.

AMH 5566 CAH-HIST 3(3,0) Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Women in American History from colonial time to the present. Occasional.
ANG 5301 COS-ANTHRO 3(3,0)
Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANG 5307 COS-ANTHRO 3(3,0)
Peoples and Cultures of Latin America: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonialism, traditional peoples, social change, and modernization. Occasional.

ANG 5341 COS-ANTHRO 3(3,0)
Caribbean Cultures: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Historical and contemporary overview of the societies and cultures of the Caribbean region, including effects of colonization by the Dutch, Spanish, British, and French. Occasional.

ANG 5486 COS-ANTHRO 3(3,0)
Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessment of reliability, and approaches for small samples. Odd Fall.

ANG 5531 COS-ANTHRO 3(3,0)
Nutritional Anthropology: PR: One course in Physical and Molecular Sciences (min 2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor, Gradutacy 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 ethnography of medical traditions and anthropological method and theory. In-class 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 infilled research in the Maya area. Spring.

ANT 2000 COS-ANTHRO 3(3,0)
General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.

ANT 2000H COS-ANTHRO 3(3,0)

ANT 2140 COS-ANTHRO 3(3,0)
Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANT 2410 COS-ANTHRO 3(3,0)
Cultural Anthropology: An introduction to human diversity as exemplified among various cultures and ethnic groups. Fall, Spring.
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<th>Course Code</th>
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<tr>
<td>ANT 3362</td>
<td>COS-ANTHRO 3(3,0) Peoples of Southeast Asia: PR: or CR: ANT 2000 or</td>
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<tr>
<td>ANT 3363</td>
<td>COS-ANTHRO 3(3,0) Anthropology of Japan: PR: or CR: ANT 2000 or C.I.</td>
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<td>ANT 3393</td>
<td>COS-ANTHRO 3(3,0) 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.</td>
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<td>ANT 3398</td>
<td>COS-ANTHRO 3(3,0) Black/Seminole Relations: PR: 2000 level GEP</td>
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<td>ANT 3450</td>
<td>COS-ANTHRO 3(3,0) Living in the USA: Anthropological Perspectives: PR: ANT 2000 or SYG 2000 or PSY 2012 or C.I.</td>
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<td>ANT 3451</td>
<td>COS-ANTHRO 3(3,0) Biobehavioral Anthropology: PR: or CR: ANT 2000 or</td>
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<tr>
<td>ANT 3550</td>
<td>COS-ANTHRO 3(3,0) Primatology: PR: ANT 2511 or C.I. Study of species from</td>
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<tr>
<td>ANT 3610</td>
<td>COS-ANTHRO 3(3,0) Language and Culture: PR: Sophomore standing. The study of language in a non-western setting; language and behavior; language and perception. Spring.</td>
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<tr>
<td>ANT 3701</td>
<td>COS-ANTHRO 3(3,0) Applied Anthropology: PR: ANT 2000 or ANT 2410 or</td>
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<tr>
<td>ANT 3949</td>
<td>COS-ANTHRO 0(0.8) Cooperative Education in Anthropology: PR: Departmental permission required before registering.</td>
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<tr>
<td>ANT 4013</td>
<td>COS-ANTHRO 3(3,0) Anthropological Perspectives on Food Production: PR:</td>
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<tr>
<td>ANT 4034</td>
<td>COS-ANTHRO 3(3,0) History of Anthropological Thought: PR: ANT 2410 or</td>
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<tr>
<td>ANT 4144</td>
<td>COS-ANTHRO 3(3,0) 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, Sandia, etc., to the time of contact with European cultures. Occasional.</td>
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<tr>
<td>ANT 4153</td>
<td>COS-ANTHRO 3(3,0) 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.</td>
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<tr>
<td>ANT 4180C</td>
<td>COS-ANTHRO 3(1.4) Seminar in Laboratory Analysis: PR: or CR: ANT 2000 or</td>
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<tr>
<td>ANT 4183</td>
<td>COS-ANTHRO 3(3,0) Archaeological Sciences: PR: ANT 2511, or ANT 2100, or</td>
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<td>ANT 4184</td>
<td>COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: ANT 2000, or ANT 2100, or</td>
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<tr>
<td>ANT 4303</td>
<td>COS-ANTHRO 3(3,0) Anthropology of Tourism: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I.</td>
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<tr>
<td>ANT 4308</td>
<td>COS-ANTHRO 3(3,0) Gender Issues in Latin America: PR: Completion of a lower-level 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.</td>
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<tr>
<td>ANT 4352</td>
<td>COS-ANTHRO 3(3,0) People and Cultures of Latin America: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I.</td>
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<td>ANT 4354</td>
<td>COS-ANTHRO 3(3,0) Postcolonial Africa: PR: ANT 2000, or SYG 2000 or C.I.</td>
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<tr>
<td>ANT 4408</td>
<td>COS-ANTHRO 3(3,0) Culture, Disease, and Healing: PR: Any 2000 level Anthropological Perspective. The role of culture in shaping the experience and perceptions of health, illness, and well-being in a variety of contexts. Odd Spring.</td>
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<tr>
<td>ANT 4462</td>
<td>COS-ANTHRO 3(3,0) Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I.</td>
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<tr>
<td>ANT 4466</td>
<td>COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: One 2000 level course in social sciences and one 2000 level course in biological sciences or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. Occasional.</td>
</tr>
<tr>
<td>ANT 4516</td>
<td>COS-ANTHRO 3(3,0) Human Biological Diversity: PR: ANT 2511 or BSC 2010C, or C.I.</td>
</tr>
<tr>
<td>ANT 4521</td>
<td>COS-ANTHRO 3(3,0) Forensic Anthropology: PR: ANT 2511 or C.I.</td>
</tr>
<tr>
<td>ANT 4528C</td>
<td>COS-ANTHRO 5(3,3) 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.</td>
</tr>
<tr>
<td>ANT 4560</td>
<td>COS-ANTHRO 3(3,0) Anthropolitical Perspectives on Human Growth: PR: ANT 2000 or ANT 2511 or C.I.</td>
</tr>
<tr>
<td>ANT 4586</td>
<td>COS-ANTHRO 3(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.</td>
</tr>
<tr>
<td>ANT 4702</td>
<td>COS-ANTHRO 3(3,0) Culture, Power and Development: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. Occasional.</td>
</tr>
<tr>
<td>ANT 4824</td>
<td>COS-ANTHRO 3(9,0) Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor.</td>
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<tr>
<td>APK 2131C</td>
<td>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. Occasional.</td>
</tr>
<tr>
<td>ARA 1120C</td>
<td>CAH-LANG 4(3,1) Elementary Arabic Language and Civilization I:</td>
</tr>
<tr>
<td>ARA 1120H</td>
<td>CAH-LANG 4(4,1) Honors Elementary Arabic Language and Civilization II:</td>
</tr>
<tr>
<td>ARA 1121C</td>
<td>CAH-LANG 4(3,1) Elementary Arabic Language and Civilization II:</td>
</tr>
<tr>
<td>ARA 1121H</td>
<td>CAH-LANG 4(4,1) Honors Elementary Arabic Language and Civilization II:</td>
</tr>
<tr>
<td>ARA 2200</td>
<td>CAH-LANG 3(3,1) Intermediate Arabic Language and Civilization</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

ARA 2201 CAH-LANG 3(3,0) Intermediate Arabic II: PR: ARA 2200 or equivalent or CR in Architectural ARA 2200 with emphasis on Arabic cultures. Fall, Spring.

ARC 3181 CAH-CAH 3(3,0) Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major; Architecture A.A. at Valencia 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 relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

ARC 3321L CAH-CAH 6(0,9) Architectural Design 6: PR: ARC 3320L. Architectural design with a large scale urban context. Theory, methodology, and evolution of urban form in response to social, cultural, economic and technological forces. Odd Spring.

ARC 3463 CAH-CAH 3(3,0) Materials and Methods of Construction 2: CR: ARC 4323L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.

ARC 3503 CAH-CAH 3(3,0) Architectural Structures: PR: Completion of Articulated Pre-Major; Architecture A.A. at Valencia Community College West or C.I.; CR: ARC 3320L. Principles of structural behavior in withstand gravity and lateral forces. Considers structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.

ARC 3610 CAH-CAH 3(3,0) Environmental Technology 1: CR: ARC 3321L. Principles and practices relating to control of the thermal atmospheric environment and plumbing in buildings. Odd Spring.

ARC 3743 CAH-CAH 3(3,0) Architectural History 3: CR: ARC 3320L. Social, political, material, technological, and cultural forces on design and construction since 1850, including architect's role in civil society and theoretical positions of architects and architectural schools. Even Fall.

ARC 4220 CAH-CAH 3(3,0) Architectural Theory 2: CR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

ARC 4322L CAH-CAH 6(0,9) Architectural Design 7: PR: ARC 3321L. Control over architectural processes to solve design needs through appropriate program development and construction technology. Complete building as a final product, emphasizing on urban and suburban housing projects. Odd Fall.

ARC 4323L CAH-CAH 6(0,9) Architectural Design 8: PR: ARC 4322L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

ARC 4620 CAH-CAH 3(3,0) Environmental Technology 2: CR: ARC 4322L. CR: ARC 3610 or C.I. Fundamentals of architectural lighting, acoustics, electrical power distribution and building communications. Odd Fall.

ARE 2000 ED-CFCS 3(3,0) Early Childhood Art and Creativity: An examination of developmental patterns in children's artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee $5.00

ARE 2944 CAH-SVAD 3(2,3) Community Arts Practicum: PR: C.I. A supervised experience to facilitate art programming in a variety of community settings. Occasional.

ARE 4250 ED-TL&L 3(3,0) Art for Exceptionalities: PR: EDG 4323 and at least junior standing. Fundamentals, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental disabilities. Occasional.

ARE 4262 CAH-SVAD 3(3,0) Methods in Art Administration: PR: ARH 3820. Theory and methodologies for designing, implementing and administrating art programs for a variety of populations. Occasional.

ARE 4313 ED-TL&L 1(1,0) Art in the Elementary School: PR: EDF 2050; CR: MUE 3210, HLP 4722, RED 4519, MAE 4326, and EDE 3942. Basic principles, purposes, scope and sequence; organization for instruction; evaluation of activities; selected art experiences. Fall, Spring; M&S fee $5.00

ARE 4351 ED-TL&L 2(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 4352 ED-TL&L 2(2,1) Teaching Art in the Secondary School: PR: EDF 4214, and EDG 4323. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring; M&S fee $5.00

ARE 4356 ED-TL&L 3(3,1) Teaching Art Appreciation & Criticism in the Classroom: PR: Permission of Honors. An examination of selected art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. Fall: M&S fee $5.00

ARE 4453 ED-TL&L 3(3,0) Studio Experiences in Art Education: PR: Completion of all Art Education Program Prerequisites or C.I. Materials available for instruction in public schools will be explored in depth in relation to the teaching of art. Organizing, designing, and analyzing art experiences, activities and classroom environments for the elementary school classroom. Spring. M&S fee $5.00

ARE 4945 CAH-SVAD 12(0,12) Community Arts Internship: PR: C.I. An on-site internship for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.


ARE 5256 ED-TL&L 2(2,1) Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. Occasional.

ARE 5359 ED-TL&L 4(4,0) Teaching Art K-12: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&S fee $5.00

ARE 5454 ED-TL&L 3(3,0) Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring; M&S fee $5.00


ARH 2050 CAH-SVAD 3(3,0) History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Occasional.

ARH 2050H CAH-SVAD 3(3,0) Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-SVAD 3(3,0) History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.

ARH 2051H CAH-SVAD 3(3,0) Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500 CAH-SVAD 3(3,0) History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

ARH 3454 CAH-SVAD 3(3,0) Happenings and Conceptual Art: PR: Junior Standing or C.I. Aesthetic and social significance of “Total Art” in its attempt to break down customary distinctions between life and art. Occasional.

ARH 3471 CAH-SVAD 3(3,0) Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3520 CAH-SVAD 3(3,0) African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of art of the African Diaspora. Occasional.

ARH 3570 CAH-SVAD 3(3,0) Ceramics of the Muslim World: PR: ARH 2050 or C.I. Islamic Art and the stylistic and technical characteristics of the period; in contrast to pre-Islamic or other civilizations such as the ancient Greeks, Egyptians, Babylonians, and Chinese. Occasional.

ARH 3610 CAH-SVAD 3(3,0) American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.


ARH 3670 CAH-SVAD 3(3,0) 20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.

ARH 3673 CAH-SVAD 3(3,0) Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980's. Occasional.

ARH 3674 CAH-SVAD 3(3,0) Latin American Popular Visual Culture: PR: ANT 4322 or C.I. Latin American popular culture beyond "fine art," produced in Latin America, the United States, and the Caribbean. Odd Spring.
ARH 3720 CAH-SVAD  3(3,0)
History of Prints: PR: ARH 2050 and ARH 2051 or C.I. History of printmaking in the Western world, surveying works by the "great printmakers." Occasional.

ARH 3728 CAH-SVAD  3(3,0)

ARH 3820 CAH-SVAD  3(3,0)
Visual Arts Administration Vitas: PR: Junior Standing or C.I. Grant applications; Personnel; copyright information; museum practices, etc. Occasional.

ARH 3842 CAH-SVAD  3(3,0)
Art History Abroad: Italy: PR: ARH 2050 and ARH 2051 or C.I. Meets in Italy and explores Italian art, architecture, artists, patrons, and culture from the Roman period to the late Baroque. Occasional.

ARH 4130 CAH-SVAD  3(3,0)
Greek Art and Architecture: PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. Occasional.

ARH 4150 CAH-SVAD  3(3,0)
Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. Occasional.

ARH 4200 CAH-SVAD  3(3,0)
Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture, and illuminated manuscripts. Occasional.

ARH 4510 CAH-SVAD  3(3,0)
Italian Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Baroque Art from the 17th century. Occasional.

ARH 4530 CAH-SVAD  3(3,0)
Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of Northern European Art in the 17th and 18th centuries. Occasional.

ARH 4532 CAH-SVAD  3(3,0)
Italian Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.

ARH 4430 CAH-SVAD  3(3,0)
19th Century Art: PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.

ARH 4450 CAH-SVAD  3(3,0)
20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of the art from Fauvism, Cubism, Futurism, Cubism to the art of the present. Occasional.

ARH 4540 CAH-SVAD  3(3,0)
Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rajput, and Muslim periods. Occasional.

ARH 4653 CAH-SVAD  3(3,0)
Meso American Art: PR: Junior Standing or C.I. A survey of the art of Mexico and Central America, from the Pre-Columbia, through the Spanish Colonial, to the 20th century. Occasional.

ARH 4800 CAH-SVAD  3(3,0)

ART 2100C CAH-SVAD  3(3,0)
Fibers & Fabrics: Design and production training in surface design, fabric, woven and fiber sculpture. Occasional. M&S fee $30.00

ART 2106C ED-TL-6L 3(2,3)

ART 2200C CAH-SVAD  3(3,0)
Beginning Painting: PR: ARH 2050 or C.I. An introduction to the painting medium and art-making techniques. Occasional.

ART 2201H CAH-SVAD  3(2,4)
Honors Design Fundamentals-Two Dimensional: PR: ARH 2050 or C.I. A study of the design process and the principles of two-dimensional design. Emphasis on the communication of ideas through the use of forms and design. Occasional.

ART 2300C CAH-SVAD  3(3,0)
Drawing Fundamentals: PR: ARH 2050 or C.I. A study of the design process and the principles of drawing. Emphasis on the communication of ideas through the use of forms and design. Occasional.

ART 2301C CAH-SVAD  3(2,4)
Drawing Fundamentals II: PR: ARH 2050 or C.I. A study of the design process and the principles of drawing. Emphasis on the communication of ideas through the use of forms and design. Occasional.

ART 2394 CAH-SVAD  3(3,0)
Drawing: Computer as a Medium: Object drawing, using the computer and drawing stylus as a medium. Occasional.

ART 2400C CAH-SVAD  3(2,4)
Beginning Printmaking: Basic elements and techniques of printmaking covered. Emphasis on the communication of ideas through the use of forms and design. Occasional.

ART 2490H CAH-SVAD  3(3,0)
Honors Drawing Fundamentals: PR: ARH 2050 or C.I. A study of the design process and the principles of drawing. Emphasis on the communication of ideas through the use of forms and design. Occasional.

ART 2500C CAH-SVAD  3(2,4)
Beginning Painting: PR: ARH 2050 or C.I. An introduction to the painting medium and art-making techniques. Occasional. M&S fee $15.00

ART 2701C CAH-SVAD  3(2,4)
Beginning Ceramics: PR: ARH 2050 or C.I. An introduction to the ceramic medium and art-making techniques. Occasional.

ART 2754C CAH-SVAD  3(2,4)
Beginning Ceramics: PR: ARH 2050 or C.I. An introduction to the ceramic medium and art-making techniques. Occasional.

ART 2823 CAH-SVAD  3(3,0)
Art as Interface: An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared by the various disciplines and how knowledge of these data is used by the profession to share information with the community. Fall, Spring.

ART 2823H CAH-SVAD  3(3,0)
Beginning Ceramics: PR: Consent of Honors. An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared by the various disciplines and how knowledge of these data is used by the profession to share information with the community. Fall, Spring.

ART 3010C CAH-SVAD  3(3,0)

ART 3020C CAH-SVAD  3(3,0)
Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2205C, or C.I. Intermediate problems in painting, with emphasis on the communication of ideas through the use of forms and design. Occasional.

ART 3021C CAH-SVAD  3(3,0)
Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2205C, or C.I. Intermediate problems in painting, with emphasis on the communication of ideas through the use of forms and design. Occasional.

ART 3025C CAH-SVAD  3(3,0)
Screenprinting: PR: ART 2201C, ART 2203C, ART 2205C, or C.I. Intermediate problems in painting, with emphasis on the communication of ideas through the use of forms and design. Occasional.

ART 3050C CAH-SVAD  3(3,0)
Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2205C, or C.I. Intermediate problems in painting, with emphasis on the communication of ideas through the use of forms and design. Occasional.


Intermediate Sculpture: ART 2203C, ART 2300C, ART 2301C, ART 2754C, and a satisfactory portfolio review or C.I. Technical skills in manipulating form, function, volume, color and surface texture. Occasional. M&S fee $35.00

Advanced Ceramics: ART 2300C, ART 2301C, ART 3761C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. Occasional.


Advanced Painting: ART 2201C, ART 2300C, ART 2301C, and ART 3504C. May be repeated for credit. Even Fall, Spring. M&S fee $30.00

Advanced Digital Media: ART 2201C, ART 2300C, ART 2301C, ART 3504C. May be repeated for credit. Fall, Spring. M&S fee $15.00

Digital Illustration: CR: ART 6683C. Methods and media effects usually associated with traditional illustration in a digital platform. Spring. M&S fee $45.00


Klin Design and Building: ART: PR: ART 2201C, ART 2300C, ART 2301C, ART 3761C, ART 4783C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. Fall, Spring. M&S fee $34.99


Advanced Ceramic Raw Material: ART: PR: ART 2201C, ART 2300C, ART 2301C, ART 3761C, and a satisfactory portfolio review or C.I. Seminar class on political information pertaining to MFA. M&S fee $45.00

Art History Seminar: PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. Spring. M&S fee $45.00
ART 5910 CAH-SVAD 3(3,0) Studio Concentration I: PR: Admission to MFA. Course work will primarily be 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. Occasional.

ART 5941 CAH-SVAD 1(1,0) Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.

ASH 3222 CAH-HIST 3(3,0) Islam and Its Empires: PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 16th century. Occasional.

ASH 3223 CAH-HIST 3(3,0) The Modern Middle East: PR: Junior standing or C.I. Occasional.

ASH 4442 CAH-HIST 3(3,0) Ottoman Empire: PR: WOH 2012 and WOH 2022. History of the Ottoman Empire from its origins in the 13th century to its collapse after WWII. Occasional.

ASH 4423 CAH-HIST 3(3,0) History of Iraq: PR: WOH 2012 and WOH 2022. Modern Iraq history through a set of interrelated monographic studies that focus on the political and legal components of the Iraqi state. Occasional.


ASH 4404 CAH-HIST 3(3,0) China in 19th and 20th Centuries: PR: EHU 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: EHU 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; 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-Israel 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; ASL alphabet, 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 Deafhood in American Sign Language: PR: ASL 2140. Exploration of deafness as an individual, family and social problem 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 4201 HPA-COM SC&DIS 4(4,0) American Sign Language IV: PR: ASL 4161C or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasis on non-voiced, conversational, spontaneous signed sentences, "reading" signed phrases and sentences. 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) Literacy 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 extraterrestrial 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, observing/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 2055C. The physics and dynamics of stars, including star formation and stellar evolution. Occasional.

AST 3402 COS-PHYS 3(3,0) Galactic 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 photometry, spectroscopy, and CCD images. Even Spring.

AST 4142 COS-PHYS 3(3,0) asteroids, Comets, and Meteorites: PR: AST 2002, PHY 2048H, and Senior standing, or C.I. Study of asteroids, comets and meteors and their role in the origin and evolution of our solar system. Occasional.


AST 4700 COS-PHYS 3(3,0) Experimental Methods in Astronomy: PR: AST 2002, PHY 2048, and Senior standing, or C.I. Experimental design and experimental techniques in astronomy and astrophysics; spherical astronomy, physics of telescopes and of common astronomical detectors; astronomical quantification and interpretation of light. Even Spring.

AST 4762C COS-PHYS 3(3,0) Astronomical Data Analysis: PR: MAC 2213, ability to write simple computer programs, and an upper level course in astronomy or planetary science, or C.I. Astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.

AST 5154 COS-PHYS 3(3,0) Advanced Planetary Geophysics: PR: Admission to Physics MS or PHD or C.I. The physics of planetary evolution, planetary interiors, and planetary surface processes. Even Fall.

AST 5165 COS-PHYS 3(3,0) Planetary Atmospheres: PR: PHY 3320 and PHY 3101, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Even Spring.

AST 5263 COS-PHYS 3(3,0) Advanced Observational Astronomy: PR: Graduate standing in the Physics department or C.I. Experimental design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. Even Spring.

AST 5334 COS-PHYS 3(3,0) Extrasolar Planets and Brown Dwarfs: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamical detection, and environments. Odd Spring.
UCF Courses and Descriptions

AST 5765C COS-PHYS 3(3,1)
Advanced Astronomical Data Analysis: PR: MAC 2312 or ZOO 3733C. A 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.

ATR 2010C ED-CFCF 3(2,1)

ATR 3012C HPA-HP 2(1,1)
Clinical Skills for Athletic Trainers I: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors or C.I. Clinical skills including functional knowledge of lower extremity/trunk muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment of general medical conditions. Fall. M&S fee $30.81

ATR 3013C HPA-HP 2(1,1)
Clinical Skills for Athletic Trainers II: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Clinical skills, including functional knowledge of upper extremity muscle, tendon, ligament anatomy; advanced taping and bracing skills; and pharmacological interventions. Spring. M&S fee $15.00

ATR 3023C HPA-HP 3(2,1)

ATR 3024C HPA-HP 3(2,1)

ATR 3212C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries I: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/fitness assessment of the lower extremity and spine and provide immediate management. Fall.

ATR 3213C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries II: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Recognition and management of common injuries found in active populations. Therapeutic modalities and therapeutic exercise are integrated through the course. Fall.

ATR 3214C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries III: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/fitness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

ATR 4213C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries II: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/fitness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

ATR 4302C HPA-HP 4(2,4)

ATR 4313C HPA-HP 4(2,4)

ATR 4512C HPA-HP 3(3,0)
Organization and Administration of Athletic Training: PR: ATR 4672C. Administrative knowledge in the athletic training profession. Fall.

ATR 4521C HPA-HP 4(0,16)
Practicum in Athletic Training III: PR: ATR 3012L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

ATR 4672L HPA-HP 4(0,16)
Practicum in Athletic Training IV: PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

ATR 4933 C HPA-HP 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.

ATR 4937 C HPA-HP 3(1,2)
Culinary Botany Across the Cultures: PR: BOT 3018C, and Senior standing. Examines the preparation methods that enhance the nutritional values. Occasional. M&S fee $9.50

BCH 4053 COS-CHEM 3(3,0)

BCH 4053H COS-CHEM 3(3,0)

BCH 4053H COS-CHEM 3(3,0)

BCH 4054 COS-CHEM 3(3,0)
Biochemistry II: PR: BCH 4053. The laboratory to accompany BCH 4053. Spring.

BCH 4054L COS-CHEM 3(3,0)
Biochemistry Laboratory II: PR: BCH 4053. The laboratory to accompany BCH 4053. Spring.

BSC 1005C COS-BIOL 3(1,4)
Local Flora: PR: BSC 2010C and BSC 2011C or C.I. Recognition and identification of Florida higher plants, especially those common to central Florida, stressing environmental and ethobotanical significance. Weekend field trips may be required. Occasional.

BSC 3152C COS-BIOL 3(3,0)
Ethnobotany: PR: BSC 2011C or C.I. and modern uses of plants economically important in various cultures. Spring.

BSC 3802 COS-BIOL 3(2,1)
Plants and the Urban Environment: PR: Junior standing or C.I. The selection, propagation and care of ornamental plants in residential and industrial areas. For non-majors only. Occasional. M&S fee $15.00

BSC 4156C COS-BIOL 4(2,6)

BSC 4223C COS-BIOL 4(3,3)
Plant Anatomy: PR: BSC 2010C and BSC 2011C, or C.I. A study of development, structure and function of the principal organs and tissue of vascular plants. Occasional. M&S fee $15.00

BSC 4303C COS-BIOL 3(3,6)
Plants of Kingdom: PR: BSC 2010C and BSC 2011C, or C.I. A survey of the plant kingdom utilizing comparative morphology, structure and functions to demonstrate relationships among extant and extinct forms. Occasional. M&S fee $40.00

BSC 4334C COS-BSN 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.

BSC 4503 COS-BIOL 3(3,0)
Plant Physiology: PR: PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment. Occasional.

BSC 4503L COS-BIOL 1(0,3)
Plant Physiology Laboratory: CR: BSC 4503. The laboratory to accompany BSC 4503. Occasional. M&S fee $15.00

BSC 4686C COS-BIOL 4(3,3)
Conservation and Management of Native Plants: PR: BSC 4713C, PCB 3044 and/or BSC 4503 or C.I. Identification, conservation, propagation and management of Florida rare, endangered, indicator or reclamation species. Occasional.

BSC 4713C COS-BIOL 5(3,6)

BSC 4859 COS-BIOL 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 medical practices around the world. Even Fall.

BSC 1005 COS-BIOL 3(3,0)
Biological Principles: A study of various biological factors that affect the health and survival of man in modern society. Designed for non-majors. Fall, Spring.

BSC 1005H COS-BIOL 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.

BSC 1005L COS-BIOL 1(0,2)
Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&S fee $15.00
BSC 1050 COS-BIOL 3(3,0)
Biology and Environment: Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Designed for non-majors. Occasional.

BSC 1050H COS-BIOL 3(1,4)

BSC 1050L COS-BIOL 1(0,2)

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 Biology I: 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 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 II: PR: BSC 2010C or C.I. Preference will be given to students whose program requires this course. Continuation of BSC 2010C. Organismic 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 video programs and readings written by authorities in the field. Occasional.

BSC 2420 COM-M&M 3(3,0)

BSC 3403C COM-M&M 3(4,4)
Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological experimentation. Fall, Spring, M&S fee $59.00.

BSC 3403H COM-M&M 3(4,4)
Quantitative Biological Methods-Honors: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods 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 2501H. Biological processes in nanoscale interactions with elements of physics & engineering. Occasional.

BSC 3949 COS-BIOL 0(0,8)

BSC 4101 COS-BIOL 3(3,0)

BSC 4312C COS-BIOL 4(3,3)

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)
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 4439 COM-M&M 3(3,0)
Biomedical Informatics: Structure Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

BSC 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 3633 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 4897 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 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(0,3)
Ecology of Aquatic Systems: PR: PCB 3522 or equivalent or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Fall.

BSC 5318 COS-BIOL 3(0,3)
Ecology of Terrestrial Systems: PR: PCB 3522 or equivalent or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Fall.

BSC 5319 COS-BIOL 3(0,3)
Ecology of Aquatic Systems: PR: PCB 3522 or equivalent or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Fall.

BSC 5618 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-EH&S 3(0,3)
Course Construction in Business Education: PR: ECT 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the workforce frameworks. Planning and preparation of materials, managing the laboratory and involvement in career & technical student organizations. Occasional.

BUL 3130 BA-ACCT 4(4,0)
Legal and Ethical Environment of Business - 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: 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(0,3)
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: COT 3960 or COP 3502C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 4104 ECS-CS 3(3,0)
Human and Technology Interaction: PR: COP 3330 and COP 3502C. Perceptual, cognitive, affective, social, organizational, commercial, and cultural factors. Disciplines, techniques and methodologies. Web, mobiles, and wearables. Embodied conversational agents. Elderly, disabled and special needs. Fall.

CAP 4453 ECS-CS 3(3,0)
Robot Vision: PR: COP 3503C and MAC 2312, or C.I. Perspective and orthographic projections; the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. Fall, Spring.

CAP 4630 ECS-CS 3(3,0)
CCJ 4651 HPA-CJ  3(3,0)
Drugs and Crime: Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4670 HPA-CJ  3(3,0)
Women and Crime: This course covers women in criminal justice as offenders and prisoners, as well as crime victims and professionals working in the system. Occasional.

CCJ 4681 HPA-CJ  3(3,0)

CCJ 4690 HPA-CJ  3(3,0)
Sex Offenders and the Criminal Justice System: PR: CCJ 3024 or C.J. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.

CCJ 4701 HPA-CJ  3(3,0)
Research Methods in Criminal Justice: Overview of the social science research methodology used in criminal justice, covers the major forms of research designs by social science and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4934 HPA-CJ  1-3(1-3,0)
Emergent Criminal Justice Issues: PR: CCJ 3014, CCJ 3024 or C.J. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit. Occasional.

CCJ 5015 HPA-CJ  3(3,0)
The Nature of Offense: PR: Admission to Criminal Justice Major's program or C.J. This course provides an overview of major dimensions of crime in the U.S.: epidemiology of crime, costs of crime, and typologies of crime and criminal careers.

CCJ 5073 HPA-CJ  3(3,0)
Data Management Systems for Crime Analysis: PR: Graduate standing or C.J. This course is designed to provide the conceptual basis, understanding, and skills necessary for complex crime data manipulation.

CCJ 5406 HPA-CJ  3(3,0)
Research and Technology Implementation: Changing roles of social and physical sciences as related to the objectives and administration of public safety agencies.

CCJ 5456 HPA-CJ  3(3,0)
The Administration of Justice: PR: Admission to Criminal Justice Major's program or C.J. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. Fall, Spring.

CCJ 5467 HPA-CJ  3(3,0)
Justice and Safety System Manpower: Processes essentials to administration to human resources in criminal justice and public safety agencies; structure and processes for acquisition, training, and maintenance of personnel. Occasional.

CCJ 5489 HPA-CJ  3(3,0)
Professionalism in Criminal Justice Organizations: PR: Graduate standing or C.J. Historical evolution of professionalism in criminal justice organizations and how it has changed the structure or practices of each involved agency. Occasional.

CCJ 5617 HPA-CJ  3(3,0)

CCJ 5675 HPA-CJ  3(3,0)
Human Rights and Criminal Justice: PR: Senior standing in Criminal Justice or C.J. 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.J. 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 repeated 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.J. 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)

CDA 4105H ECS-CS  4(3,1)
Honors Computer Architecture: PR: Consent of Honors and COP 4402. Basic processor design, hardwired and microprogrammed control, ALU, memory organization, pipelining, I/O and computer arithmetic. With Honors level content. Occasional.

CDA 5106 ECS-CS  3(3,0)
Advanced Computer Architecture: PR: EEL 4706C. Modern computer design, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O. Fall, Spring.

CDA 5110 ECS-CS  3(3,0)
Parallel Architecture and Algorithms: PR: COT 4210, CDA 5106. General-purpose vs. special-purpose parallel computers; arrays, message-passing shared-memory; taxonomy; parallelization techniques; communication synchronization and granularity; parallel data structures; automatic program restructuring. Occasional.

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)

CEG 3301 ECS-CECE  3(3,0)
Engineering and Environmental Geology: PR: EGN 3315 and CHS 1440 or 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 ECE-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 ECE-CECE  3(3,0)
Geotechnical Engineering II: PR: CEG 401C with a grade of “C” (2.0) or better. Foundation design. 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)
Soil Mechanics 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)

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 dependable software in different component levels. Occasional.

CEN 5016 ECS-CS  3(3,0)
Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.

CEN 5077 ECS-CS  3(3,0)

CEN 5326 ECS-CS  3(3,0)
Web Server Configuration and Maintenance: PR: COP 3502C, CNT 3004, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. Occasional.

CES 4100C ECS-CECE  4(3,3)
Structural Analysis I and Lab: PR: EGN 3331 with a grade of "C" (2.0) or better. Topics in structural mechanics: analysis of determinate and indeterminate structures by flexibility and stiffness methods computer and laboratory exercises on behavior of structures and materials. Fall, Spring, M&S fee $21.00.

CES 4101 ECS-CECE  3(3,0)
Matrix Methods for Structural Analysis: PR: CEG 4010C 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-CECE  3(3,0)
Steel Structures: PR: CEG 4605C with a grade of "C" (2.0) or better. Design of structural steel members and buildings, emphasis on AISC-ASD building code; introduction to ASD-LRFD building code; tension members, beams, beams-columns, connections. Fall, Spring.

CES 4606C ECS-CECE  3(2,2)

CES 4702 ECS-CECE  3(3,0)
Reinforced Concrete Structures: PR: CEG 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.
UCF Courses and Descriptions


CET 4743C ECS-CECE 3(2,2) Structural Design: PR: CET 4605 and CES 4702 both with grade of "C" (2.0) or better and department consent. This course prepares students for real life structural design with the fundamentals and applications of both steel and concrete analysis and design at the member and system level. Fall, Spring.

CET 5144 ECS-CECE 3(3,0) Matrix Methods for Structural Analysis: PR: CET 4100C or C.I. Implementation of the matrix methods for structural analysis that are commonly and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. Occasional.

CET 5325 ECS-CECE 3(3,0) Bridge Engineering: PR: CET 4605 and CES 4702 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications, Bridge rating, and introduction to Bridge health monitoring. Occasional.

CET 5506 ECS-CECE 3(3,0) Advanced Steel Design: PR: CET 4702. Behavior and design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stability of compression members, laterally unsupported beams, frames, and beam columns. Occasionally.

CET 5706 ECS-CECE 3(3,0) Advanced Reinforced Concrete: PR: CET 4702 or C.I. Design of frames, two-way floor systems, shear walls; shear and torsion; compression field theory; inelastic analysis; durability and seismic design; introduction to prestressed concrete. Occasional.

CET 5821 ECS-CECE 3(3,0) Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.

CET 2364 ECS-ECS 3(3,0) Systems Applications in C/C++: PR: MAC 1100C or C.I. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. Introduction to programming techniques and the C/C++ programming languages. Fall, Spring.

CET 3010 ECS-ECS 3(3,0) Introduction to Information Technology: PR: MAC 1100C. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. Fall, Spring.

CET 3238 ECS-ECS 3(3,0) Applied Systems Analysis I: PR: Approved programming course or C.I. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. Spring.

CET 3679 ECS-ECS 3(3,0) Intro to Telephony: An introductory level course in telephony technology. The telephony environment, telemanagemen, telephony connectivity and services of telephony. Fall.

CET 4427 ECS-ECS 3(3,0) Applied Database I: PR: Approved programming course or C.I. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. Fall.

CET 4483 ECS-ECS 3(3,0) Intro to Local Area Network Technology: PR: Approved networking course or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. Fall.

CET 4505 ECS-ECS 3(3,0) Applied Operating Systems I: PR: CET 2364. Modifying interaction programs to support new type of computer systems. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.

CET 4663 ECS-ECS 3(3,0) Computer and Network Security: PR: CET 4483, MAC 1105C. Fundamentals of computer security technology, including cryptography, authentication, digital signatures, and network security tools and applications. Fall.

CET 4741L ECS-CS 3(0,3) Computer Networking Laboratory: PR: C.I. Laboratory exercises to reinforce the understanding of concepts/principles discussed in computer networking and data communication technologies. Occasional.

CET 4748 ECS-ECS 3(3,0) Wide Area Networks I: PR: CET 3679 or CET 4483, or C.I. Designing Wide Area Networks; determining requirements, designing Wide Area Network, choosing appropriate technologies, and evaluating results. Fall.


CGN 3501C ECS-CECE 3(2,3) Civil Engineering Materials: PR: EG 3331, CHS 1440 or CHM 2045C with each of a grade of "C" (2.0) or better. The characterization of materials used in civil engineering works to include concrete, bituminous polymers and composite materials. Fall, Spring. M&S fee $30.00.

CGN 3708C ECS-CECE 4(3,2) Civil Engineering Measurements: PR: MAC 2312 and PHY 2049C both with a grade of "C" (2.0) or better. This course covers engineering measurement, data analysis, hardware of experiments including electronics, system components, and calibration, with specific applications in civil engineering, Spring.

CGN 4300 ECS-CECE 3(3,0) Civil Engineering Systems: PR: EG 3331, MAC 2313, STA 3032. Mathematical techniques commonly associated with operations research and economics which are applicable to the planning, design, and operation of civil engineering systems. Occasional.

CGN 4600 ECS-CECE 3(3,0) Public Works Engineering: PR: ENV 3001 and CWR 3201. An overview of planning, design, operation and maintenance of public works, with emphasis on water and wastewater treatment plants. May be repeated for credit. Occasional.

CGN 4808C ECS-CECE 3(2,2) CECE Capstone Design: PR: "C" (2.0) or better in a previous CECE design course and department consent. An interdisciplinary capstone design experience requiring students to work in teams to design civil engineering systems. Occasional.


CGN 5504C ECS-CECE 3(2,2) Civil Engineering Materials: PR: EG 3365, EG 3331, or C.I. Structure, properties, and applications of materials used in civil engineering including concrete, steel, asphalt, wood, soils, and composite materials. Occasional.

CGN 5506C ECS-CECE 3(2,2) Asphalt Concrete Mix Design: PR: CEG 4011C. Properties of asphalt, aggregate and asphalt mixtures, Marshall mix design, Hveem mix design, pavement rehabilitation. Occasional.

CHI 1112C CAH-LANG 4(3,1) Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Occasional.

CHI 1112H CAH-LANG 4(4,0) Honors Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to Chinese culture through the major language skills: Listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level course. Occasional.


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<th>Course Code</th>
<th>Title</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2041</td>
<td>Intermediate Chinese II</td>
<td>PR: CHM 2200. Continuation of CHM 2200 with emphasis on Chinese cultures. Fall, Spring.</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
<td>PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>General Chemistry</td>
<td>PR: MAG 1105C or MGP 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The &quot;NC&quot; grading policy applies to this course. Fall, Spring.</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>General Chemistry Laboratory</td>
<td>PR: or CR: CHM 1032. Preference will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>CHM 2040</td>
<td>Chemistry Fundamentals IA</td>
<td>PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C recommended. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry, atomic structure, periodicity, chemical bonding, states of matter, gases. The &quot;NC&quot; grading policy applies to this course. Fall. M&amp;S fee $6.00</td>
</tr>
<tr>
<td>CHM 2041</td>
<td>Chemistry Fundamentals IB</td>
<td>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 &quot;NC&quot; grading policy applies to this course. Spring.</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Honors Chemistry Fundamentals I</td>
<td>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&amp;S fee $9.00</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Honors Chemistry Fundamentals II</td>
<td>PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry, atomic structure, periodicity, chemical bonding, states of matter, gases. The &quot;NC&quot; grading policy applies to this course. Fall, Spring. M&amp;S fee $5.00</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>PR: &quot;C&quot; grade 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 &amp; CHM 2041C sequence. INTERMEDIATE RESEARCH FOCUS AND COLLABORATIVE PROPERTIES: equilibria, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. Fall, Spring.</td>
</tr>
<tr>
<td>CHM 2046C</td>
<td>Honors Chemistry Fundamentals II</td>
<td>PR: CHM 2045C and CHM 2046L with honors-level content. Spring. M&amp;S fee $35.00</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Honors Chemistry Fundamentals II</td>
<td>PR: Same as CHM 2045C and CHM 2046L with honors-level content. Spring. M&amp;S fee $35.00</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Honors Chemistry Fundamentals Laboratory</td>
<td>PR: 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&amp;S fee $45.00</td>
</tr>
<tr>
<td>CHM 2205</td>
<td>Introduction to Organic and Biochemistry</td>
<td>PR: CHM 2046L or equivalent. An introduction to organic chemistry, stressing the chemistry of functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring.</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>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.</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall, Spring.</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>PR: CHM 2210. Priority will be given to students whose major requires this course. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall. M&amp;S fee $70.00</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry</td>
<td>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.</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>Analytical Laboratory Techniques II</td>
<td>PR: CHM 2046, CHM 2046L, and PR: or CR: CHM 3120. Experimental exercise of quantitative methods of analysis using titrimetric, gravimetric, potentiometric and photometric methods of analysis including statistical treatment of experimetal 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&amp;S fee $25.00</td>
</tr>
<tr>
<td>CHM 3212L</td>
<td>Organic Laboratory Techniques II</td>
<td>PR: CHM 2210. 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&amp;S fee $70.00</td>
</tr>
<tr>
<td>CHM 3411</td>
<td>Physical Chemistry Laboratory</td>
<td>PR: CHM 3410. Continuation of CHM 3410. Spring.</td>
</tr>
<tr>
<td>CHM 3411L</td>
<td>Physical Chemistry Laboratory</td>
<td>PR: CHM 3410. Physical chemistry as applied to the study of biological and forensic science. Fall.</td>
</tr>
<tr>
<td>CHM 4130</td>
<td>Advanced Analytical Laboratory Technique</td>
<td>PR: CHM 2211, CHM 3120 (with a minimum grade of &quot;C&quot; or 2.0) and CR:CHM 3411 or PR:CHM 3422. Modern methods of analysis including electrochemistry, spectrometry, and separation techniques. Spring.</td>
</tr>
<tr>
<td>CHM 4130L</td>
<td>Advanced Analytical Chemistry Laboratory</td>
<td>PR: or CR: CHM 4130. Experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&amp;S fee $70.00</td>
</tr>
<tr>
<td>CHM 4220</td>
<td>Organic Chemistry</td>
<td>PR: CHM 2211 or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Occasional.</td>
</tr>
<tr>
<td>CHM 4610L</td>
<td>Inorganic Chemistry Laboratory</td>
<td>PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Fall. M&amp;S fee $70.00</td>
</tr>
<tr>
<td>CHM 4914C</td>
<td>Undergraduate Research Methods</td>
<td>PR: CHM 2211 or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall.</td>
</tr>
<tr>
<td>CHM 4930</td>
<td>Chemistry Seminar I</td>
<td>PR: CHM 3120 or C.I. Student selects a topic and an advisor and prepares a draft seminar. Fall.</td>
</tr>
<tr>
<td>CHM 4931</td>
<td>Chemistry Seminar II</td>
<td>PR: CHM 4930. Student improves the seminar prepared in CHM 4930 (or an approved alternative) and presents it to the Chemistry department. Fall, Spring.</td>
</tr>
<tr>
<td>CHM 5225</td>
<td>Advanced Organic Chemistry</td>
<td>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.</td>
</tr>
<tr>
<td>CHM 5235</td>
<td>Applied Molecular Spectroscopy</td>
<td>PR: CHM 2211, graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.</td>
</tr>
<tr>
<td>CHM 5305</td>
<td>Applied Biological Chemistry</td>
<td>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. Odd Fall.</td>
</tr>
<tr>
<td>CHM 5450</td>
<td>Polymer Chemistry</td>
<td>PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.</td>
</tr>
<tr>
<td>CHM 5451C</td>
<td>Techniques in Polymer Science</td>
<td>PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Fall. M&amp;S fee $45.00</td>
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</tbody>
</table>
CHM 5580 COS-CHEM 3(3,0) Advanced Physical Chemistry: CR: CHM 3411 and CHM 4223, 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 4210 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHS 1440 COS-CHEM 4(3,1) Fundamentals of Chemistry for Engineers: PR: One year of high school chemistry or CHM 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. Introduces majors and non-majors to provide an overview of the specialty areas in the forensic crime lab. Spring.

CHS 3505C COS-CHEM 4(2,6) Forensic Microscopy: PR: ‘C’ grade or better in CHM 2046 & L and CHS 3501; and PR: or CR: PHY 2046C. The study 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 3050C & 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 3050C & CHM 3120. Study of presumptive tests, isolation, and identifying 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 3232. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.

CHS 3533L COS-CHEM 1(0,3) Forensic Biochemistry I Laboratory: PR: ‘C’ (2.0) grade or better in BSC 2010C, PCB 3063, PCB 3063L, PCB 3233, PCB 3233L, and PR: or CR: CHS 3533. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall. M&S fee $70.00

CHS 3540C COS-CHEM 2(1,3) Fire and Debris Analysis I: PR: CHM 3120 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3595 COS-CHEM 3(3,0) Forensic Science in the Courtroom: PR: or CR: CHS 3501 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 genetic data analysis for evidence interpretation. Spring. M&S fee $70.00

CHS 4537 COS-CHEM 2(2,0) Forensic Laboratory Quality Assurance: PR: Grade of “C” or better in CHS 3501, CHS 3505C, and CHS 3533 or C.I. Concepts and principles of quality assurance and quality systems management in forensic laboratories. Fall.

CHS 4541C COS-CHEM 2(1,3) Fire and Debris Analysis II: PR: CHS 3540C or C.I. An advanced level of laboratory coursework focusing on further procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.


CHS 4591 COS-CHEM 4(0,40) Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion 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 4615 COS-CHEM 3(3,0) Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3,0) Principles of Forensic Science: PR: Admission to Forensic Science MS program or C.I. Principles of forensic science scene investigation, concepts in physics and biological evidence, evidence collection and transport, discrimination and individualization of evidence. Occasional.

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 the rules of procedure. Occasional.

CHS 5560 COS-CHEM 3(3,0) The Forensic Examination of 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.


CIS 4361 ECS-CS 3(3,0) Secure Operating Systems and Administration: PR: COP 4600 or CGS 3763. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. Occasional.

CIS 4615 ECS-CS 3(3,0) Secure Software Development and Assurance: PR: (COP 4600 or CGS 3763) and (CIS 3360 or CIS 3362) or C.I. Thread modeling. Secure code life-cycle. Buffer overflows, race conditions and format string problems, inputs and clients, File system, Cryptography applications, UNIX, Java security and Reverse engineer- ing. Occasional.


CIS 5378 ECS-CS 3(3,0) Designing Secure Transactions in Web Applications: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Secure electronic commerce, data indirection, shell command injection, cross-site scripting, exploits and clients, File system, Cryptography applications, UNLsec, Java security and Reverse engineering. Occasional.

CJC 3010 HPA-CJ 3(3,0) Corrections and Penology: PR: CCJ 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. Fall, Spring.

CJC 3134 HPA-CJ 3(3,0) Prisons and jails: PR: CJC 3100. An overview and analysis of issues in institutional corrections, focusing on prison and jail history, inmates, guards, administration and management, and programming. Occasional.

CJC 3164 HPA-CJ 3(3,0) Community-Based Corrections: PR: CJC 3024 and C.J.C. 3100 or C.I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.

CJC 4410 HPA-CJ 3(3,0) Correctional Interventions in Criminal Justice: PR: CCJ 3014. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. Occasional.
Foundations of Law Enforcement: CJE 5020 HPA-CJ 3(3,0)

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 C.I. An examination of 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: 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. An examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. 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, CJE 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 CJJ 3450 or C.I. Elements, functions, and processes essential to the continuing management of various 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.

CJE 5688 HPA-CJ 3(3,0) Cyber Crime and Criminal Justice: PR: CCJ 5615 or C.I. Deals with the problem of cyber crime and the criminal use of the Internet. Includes investigation, enforcement and legal issues. Occasional.

CJJ 3014 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, physiological, and legal dynamics evident in processing juvenile offenders. Occasional.

CJJ 4564 HPA-CJ 3(3,0) Juvenile Justice System: PR: CCJ 3014 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; wiretapping; 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; pretrial; 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: CCJ 3024 or C.I. Provides an overview of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.


CLP 3143 COS-PYSCH 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-PYSCH 3(3,0) Women's Mental Health: PR: PSY 2012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. Occasional.

CLP 3302 COS-PYSCH 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-PYSCH 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-PYSCH 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-PYSCH 3(3,0) Health Psychology: PR: CLP 3143, PSB 3002, PPE 3003C. Intersections 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 4393 COS-PYSCH 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-PYSCH 3(3,0) Advanced Abnormal Psychology: PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLP 5197 COS-PYSCH 3(3,0) Mental Health and Aging: PR: Graduate status or senior standing or C.I. Examination of assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.

CLT 3370 COS-LSYMN 3(3,0) Classical Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WHO 2012, or LT 2110. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.
**UCF Courses and Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tr>
<td>CLT 3378</td>
<td>CAH-PHIL</td>
<td>3(3,0)</td>
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<td>CMC 4240</td>
<td>COS-COMM</td>
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<td>ECS-CS</td>
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**Courses and Descriptions**

- **Comparative Mythology:** PR: ENC 1102 and either HUM 1030, REL 2020, HON 2202, LIT 2200, or CLT 3370. Common themes found in the myriad of cultures; theories of origin, meanings, story of human experience. Occasional.
- **Corporate/Institutional Video:** PR: RTV 3200, RTV 3205, (RTV 3200 or 3205 may be taken concurrently). Preparation of non-broadcast corporate/institutional video programs including planning, budgeting, production, and evaluation. Occasional.
- **Computer Network Concepts:** CR: EEL 3041. Network media, protocol, current and evolving standards for local, metropolitan, wide area and wireless networks. Fall, Spring.
- **Network Security and Privacy:** PR: (CNT 3004 or EEL 4781 or CNT 4704) and (CIS 3500 or CIS 3362) or C.I. Fundamentals of network security, protocols, secure applications, network intrusion detection, security policy, firewalls, and privacy issues. Occasional.
- **System Administration and Maintenance:** PR: CGS 3269, MAC 2312. An introduction to operating system installation, configuration, and maintenance, including client-server services, content management and deployment, server administration and management, and user/group management. Fall, Spring.
- **Design and Implementation of Computer Communication Networks:** PR: CNT 3004, COP 3502C, MAD 2104 or COP 3101C. Data communication network topologies (OSI model, TCP/IP, Ethernet, Gigabit Ethernet, ATM, Frame Relay), protocols (routers, switches, adapters, cabling). Basic design and detailed configuration including hands-on exercises. Fall, Spring. M&S fee $16.00
- **Network Design using layering:** Introduces cabling, topology, analysis of Computer Communication cabling. Base design and detailed configuration including client-server services, content management and deployment, server administration and management, and user/group management. Fall, Spring.
- **Network media, protocol, current and evolving standards for local, metropolitan, wide area and wireless networks.** Fall, Spring.
- **Corporate/Institutional Video:** PR: CNT 3004, COP 3502C. Client-server architecture. Server-side scripting: Servlets, JSP, PHP, JDBC and SQL database connectivity. Multi-threaded Java applications. 2JEE development. SSL, system level I/O. Fall, Spring.
- **Course Descriptions**
- **Course Codes**
- **Course Titles**
- **Credits**
- **Prerequisites**

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**Additional Notes**

- **Fall, Spring.**
- **Occasional.**

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**UNIVERSITY OF CENTRAL FLORIDA**

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COT 4910 ECS-CS 3(3,0) Frontiers in Information Technology: PR: COP 4610L or COT 4703C. Research into leading edge information technologies that have a high likelihood of affecting the workplace in the two to five year time frame. Spring.

COP 5021 ECS-CS 3(3,0) Program Analysis: PR: COP 4020 and COT 4210 or C.I. Static analysis of programs including theoretical and practical limitations, flow analysis, abstract interpretation, and ype and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS 3(3,0) Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611 ECS-CS 3(3,0) Operating Systems Design Principles: PR: COP 4604, Structure and functions of operating systems, process communication techniques, high-level concurrent programming, virtual memory systems, elementary queuing theory, security, distributed systems, case studies. Spring.

COP 5711 ECS-CS 3(3,0) Parallel and Distributed Database Systems: PR: COP 2800, C.I. Introduction to database management systems, parallel architectures, distributed systems. Fall, Spring.


COT 3960 ECS-CS 3(1,0) CS Foundation and Analysis: PR: COP 3502C and COP 3100C. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and upper-division 4000 and 5000 level CS electives. Graded S/U. Fall, Spring.

COT 4210 ECS-CS 3(3,0) Discrete Structures II: PR: COP 3503C and COP 3960. Computation Theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages. Fall, Spring.


COT 4810 ECS-CS 3(3,0) Topics in Computer Science: PR: COP 3402 and COP 3503C and COP 3960. A range of topics from the fields of computer science; application of oral and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

COT 5310 ECS-CS 3(3,0) Formal Languages and Automata Theory: PR: COP 4020 and COT 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(k) grammars. Fall, Spring.
CRW 3211 CAH-ENG 3(3,0) Creative Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Writers present original nonfiction writing for class response and individual conferences. Reading of key works of creative nonfiction with discussion of definitions of the genre. Fall, Spring.

CRW 3310 CAH-ENG 3(3,0) Poetry Writing Workshop: PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.

CRW 3311 CAH-ENG 3(3,0) Structure of Verse: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. Occasional.

CRW 3540 CAH-ENG 3(3,0) Literary Magazines: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Examinaiton of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. Occasional.

CRW 3610 CAH-ENG 3(3,0) Writing Scripts: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Theory and practice of writing scripts for film and TV. Occasional.

CRW 3850 CAH-ENG 3(3,0) Cypress Dome Editorial: PR: C.I. Responsibility for all aspects of editing The Cypress Dome-UCF’s student literary journal. Fall, Spring.

CRW 4014 CAH-ENG 3(3,0) The Writing Life: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610 or C.I. Critical/non-fiction/craft works and fictional works by a series of authors. Occasional.

CRW 4114 CAH-ENG 3(3,0) History of Prose Style: PR: English major or minor, junior standing, and grade of C (2.0) or better in CRW 3013, CRW 3053 or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.

CRW 4122 CAH-ENG 3(3,0) Advanced Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3120, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4123 CAH-ENG 3(3,0) Science Fiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better 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.

CRW 4224 CAH-ENG 3(3,0) Advanced Nonfiction Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3310, or C.I. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4320 CAH-ENG 3(3,0) Advanced Poetry Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3310, or C.I. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4616 CAH-ENG 3(3,0) Advanced Scriptwriting Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3610, or C.I. Intensive practice in writing scripts. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4722 CAH-ENG 3(3,0) Editing for Creative Writers: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610, or C.I. Overview of the editing process, the history and future of editing, issues and areas of literary and trade book publishing, and style through grammar and syntax. Occasional.

CRW 4724 CAH-ENG 3(3,0) The Florida Review: PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3013, CRW 3053, and C.I. Hands-on experience with all aspects of Florida Review publishing, editing, and production in conjunction with this national journal. Fall, Spring.

CRW 4804 CAH-ENG 3(3,0) Creative Writing in the Community: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and at least one of CRW 3120, CRW 3211, CRW 3310, or C.I. Teaching creative writing to community groups through service-learning. Occasional.

CRW 5020 CAH-ENG 3(3,0) Graduate Writing Workshop: PR: Admission to Creative Writing MFA and C.I. Student writers present their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 4 times. Fall, Odd Spring.

CRW 5130 CAH-ENG 3(3,0) Form and Theory in Creative Writing: PR: Admission to Creative Writing MFA or C.I. Formal and theoretical study of creative writing of given genres (poetry, short fiction, etc.). May be used in the degree program a maximum of 3 times. Occasional.

CRW 5948 CAH-ENG 3(2,1) Creative Writing Service Learning: PR: Admission to Creative Writing MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.

CRW 3201 ECS-CECE 3(3,0) Engineering Fluid Mechanics: PR: MAP 2302, EGN 3310 both with a grade of “C” (2.0) or better; CR: EGN 3321. Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydraulics, dimensional analysis, energy, momentum, continuity, and steady flow. Fall, Spring.

CRW 4101C ECS-CECE 3(2,2) Hydraulics: PR: STA 3023, CRCW 3201. Hydrological cycle, probability of flooding, rainfall excess, meteorology, groundwater, storm-water runoff, flood routing and design applications. Fall, Spring.

CRW 4360C ECS-CECE 3(2,2) Water Resources Design: PR: CRCW 4804 with a grade of “C” (2.0) or better required. Crop growth, soil and water transmission systems using local and state regulations. Fall, Spring. M&S fee $15.00.

CRW 5125 ECS-CECE 3(3,0) Groundwater Hydrology: PR: CRCW 4203C or equivalent. Theories of groundwater movement, geophysical factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.


CRW 5515 ECS-CECE 3(3,0) Numerical Methods in Civil and Environmental Engineering: PR: CRCW 4101C, CRCW 4203C. This course covers finite difference methods and numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.


DAA 2100C CAH-THEA 2(2,1) Modern Dance I: PR: Theatre major, Dance minor, or department consent. Fundamentals of classical ballet; includes practical dance work as well as dance history lectures. Fall.

DAA 2101C CAH-THEA 2(2,1) Ballet I: PR: Theatre major, Dance minor, or department consent. Fundamentals of classical ballet; includes practical dance work as well as dance history lectures. Fall.

DAA 2200C CAH-THEA 2(2,1) Ballet II: PR: Theatre major, Dance minor, or department consent. Fundamentals of classical ballet; includes practical dance work as well as dance history lectures. Fall.

DAA 2351 ED-CFCS 2(2,0) Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (merengue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2393C ED-CFCS 2(2,1) World Dance: PR: Theatre major, Dance minor, or department consent. Theory and applied technique of world dance. Semester focus will be devoted to one form, such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. Occasional.

DAA 2502C CAH-THEA 2(2,1) Tap Dance I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521C CAH-THEA 2(2,1) Tap Dance II: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Spring.
UCF Courses and Descriptions

DIG 4323C CAH-SVAD 3(1,4)
Modeling for Visual Language: PR: DIG 4204C, successful portfolio review, or C.I. Techniques, mechanics of character design, and animation to model, rig, and prepare artificial characters so that they be animated effectively and express narrative for digital production. Fall.

DIG 4324C CAH-SVAD 3(2,2)

DIG 4325C CAH-SVAD 3(1,4)

DIG 4326C CAH-SVAD 3(1,4)
Geometrical Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques and mechanics of designing and manipulating geometrical representations of artificial characters and their environments; introduction to procedural models. Spring.

DIG 4354C CAH-SVAD 3(1,4)
Advanced 3D Animation: PR: DIG 4323C, successful portfolio review, or C.I. Techniques, mechanics of artifical environment with emphasis on compositing, image processing, visual style, visual continuity. Spring.

DIG 4359C CAH-SVAD 3(1,4)
Artificial Environments and Effects Workshop: PR: DIG 3355C and successful portfolio review, or C.I. Techniques and mechanics of artifical environments with emphasis on compositing, image processing, visual style, visual continuity. Spring.

DIG 4369C CAH-SVAD 3(1,4)
Artificial Characters Workshop: PR: DIG 3362C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. Spring.

DIG 4373C CAH-SVAD 3(1,4)
3D Textures: PR: DIG 4369C, successful portfolio review, or C.I. Advanced application of lighting and surface attributes in rendering the tools, concepts, and techniques learned in previous 3D courses. Spring.

DIG 4394C CAH-SVAD 3(1,4)
Motion Graphics: Advanced Compositing: PR DIG 4395C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and compositing to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as pertaining to 3D Content. Spring.

DIG 4434C CAH-SVAD 3(1,4)
Narrative Techniques in the Moving Image: PR: DIG 4451C, successful portfolio review, or C.I. Techniques, mechanics of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4451C CAH-SVAD 3(1,4)
Visual Storytelling and Visual Development Workshop: PR: DIG 3430C and successful portfolio review, or C.I. Techniques, mechanics of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4455 CAH-SVAD 3(3.0)
Interactive Performance II: PR: DIG 3450C or C.I. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure. Spring.

DIG 4486C CAH-SVAD 3(1,4)
Visual Language of Moving Image II: PR: DIG 3432C, 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 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. 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 4502. Odd Fall, Even Spring.

DIG 4530C CAH-SVAD 3(2,2)
Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Fall, Spring.

DIG 4624C CAH-SVAD 3(1,4)
Digital Production in Artificial Environments: PR: DIG 4359C, successful portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, theme and mood to help express a narrative for digital production. Fall.

DIG 4630C CAH-SVAD 3(2,2)

DIG 4645 ECS-CS 3(3.0)
Digital Media: PR: COP 3500C 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. Occasional.

DIG 4693C CAH-SVAD 3(2,2)
Production Software Workshop: PR: DIG 3134C or C.I. Advanced programming techniques for a variety of web-based applications using ActionScript, including dynamic and input test, variables, physics, artificial intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704 CAH-SVAD 3(3.0)
Interactive Entertainment: PR: DIG 3525 or C.I. Ways to apply diverse skills of film making to digital media, non-linear storytelling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-SVAD 3(3.0)
Game Design: PR: DIG 3024 and DIG 3525. Principles and theories of video game design, including software, content, interaction, and game play design. Project based. Fall, Spring.

DIG 4715C CAH-SVAD 3(2,2)
Game Production: PR: A minimum grade of ’B’ (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. Fall, Spring.

DIG 4720C CAH-SVAD 3(2,2)
Casual Game Production: PR: DIG 2500C, a minimum grade of ’B’ (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-SVAD 3(2,2)
Game Design Workshop: PR: DIG 4715C, FIL 3720C, a minimum grade of ’B’ (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement video games using professional tools and iterative design techniques. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4770 ECS-CS 3(3.0)

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. Parallel business world. Even Fall, Even Spring. M&S fee $45.00.

DIG 5045C CAH-SVAD 3(1,3)
Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.

DIG 5046C CAH-SVAD 3(1,3)
Principles of Interactive Entertainment II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137 CAH-SVAD 3(3.0)
Information Architecture: PR: Film and digital media majors or C.I. Overview of visual design, 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. Principles and theories 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.
ECW 3312 ED-E&HS 3(3.0) Course Construction in Health Occupations Education: Preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry experience. Fall, Spring.

ECW 3355 ED-E&HS 3(3.0) Special Populations in Career & Technical Education: PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. Spring.

ECW 5207 ED-E&HS 2-4(2-4.0) Management of Vocational Programs: PR: Rank III Certificate or C.I. Study and achievement of selected competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

ECW 5265 ED-E&HS 2-4(2-4.0) Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

ECW 5506 ED-E&HS 2-3(2-3.0) Student Guided Career Pathways: 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-T&L 3(3.0) Internship I: PR: EDG 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-T&L 3(3.0) Integrative 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-T&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 U/N. Fall, Spring.

EDE 4945 ED-T&L 1(1.0) Internship Seminar: PR: All required program courses; CR: EDE 4943 Internship I. Culuminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDF 1942 ED-T&L 3(3.0) Introduction to Educational Internship: Introduction to educational internship with selected partner institutions. Occasional.

EDF 2130 ED-T&L 3(3.0) Child and Adolescent Development for Educators: PR: Rank III Certificate or C.I. An introduction to developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDF 2250 ED-T&L 3(3.0) Classroom Management for Substitute Teachers: Critical examination of developmental stages and strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EDF 2720 ED-T&L 3(3.0) Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2005, EDF 2085, EME 2040, or C.I. The role of education in children’s lives through the analysis of legal, ethical and safety concerns. Fall, Spring.

EDF 3120 ED-T&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-T&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-T&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.

EDG 1005C ED-T&L 2(1,1) General Education: CR: All courses in Block I. CR: All courses in Block I. Fall, Odd Spring.

EDG 4323 ED-T&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 evaluation of instruction for diverse student populations. Fall, Spring.

EDG 4410 ED-T&L 3(0.0) Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

EDG 4941 ED-T&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-T&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-T&L 3(3.0) Developing Int’l Education Perspectives: 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 insight into global and local education issues through in-school experiences. Occasional.

EDG 5745 ED-T&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-T&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 basic teaching pedagogy to help engineering students become better TA’s and help students deliver better technical presentations. Occasional.

EDS 5356 ED-T&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 assurance attainment of the Florida Educator Accredited Practicum. Fall, Spring.
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ECE 3613  ED-CFCS  3(3,0)  Observation and Assessment of Young Children: PR: Admission into the program. Appropriate methods for diagnosing, assessing, and evaluating young children, including children with special needs and various cultural backgrounds. Appropriate interventions, remediations, and enrichment. Occasional.

ECE 3700  ED-CFCS  3(3,0)  Social and Emotional Development of Young Children: PR: Admission into the program. Explores the influence of early childhood education and services for young children and their families. Includes early childhood history, philosophical, and sociological perspectives, learning theories and field-based experiences. Fall.

ECE 3940  ED-CFCS  3(0,3)  Integration Internship I: PR: Senior Status; RED 4311 or RED 4310. Field-based placement in which the students will have supervised practice integrating course content areas. Occasional.


ECE 4235C  ED-CFCS  3(2,1)  Early Childhood Education Seminar: Bridging Theory and Practice: PR: ESL 4310, EEC 4658, EEX 3450 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.

ECE 4266  ED-CFCS  3(3,0)  Early Intervention: PR: Admission to the Early Childhood Education and services for young children and families. Includes early childhood history, philosophical, and sociological perspectives, learning theories and field-based experiences. Fall, Spring.

ECE 4268  ED-CFCS  3(3,0)  Curriculum Activities in Early Childhood: PR: Admission to the Early Childhood Education Program. An integrated approach to curriculum planning and scheduling including materials, strategies, and environments for young children which emphasize active learning. Fall, Spring.

ECE 4303  ED-CFCS  3(3,0)  Planning Creative Activities in Early Childhood Education: PR: Admission to Early Childhood Education Program and 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.

ECE 4402  ED-CFCS  3(3,0)  Cultural and Family Systems: PR: Admission to the Early Childhood Education Program. Explores the institution of family in its cultural context as a living dynamic system. Occasional.

ECE 4414  ED-CFCS  3(3,0)  Parent-Child Relationships: PR: ECE 3700; EEC 4561; RED 3310; EEX 4751; LN 3716; or C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stages, family structure, ethnic and cultural factors on parenting. Fall, Spring.

ECE 4524  ED-CFCS  3(3,0)  Organization and Management in Early Childhood: PR: Admission to the Early Childhood Education Program. Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

ECE 4528  ED-CFCS  3(3,0)  Infant/Toddler Care and Education: PR: Admission to Early Childhood Education Program. A study of infant/toddler education and services for young children and their families. Includes historical roots, societal changes, program differentiation and future trends. Fall, Spring, Occasional.


ECE 4661  ED-CFCS  3(3,0)  Early Childhood Education Theory and Practice: PR: Admission to the Early Childhood Program. Study of early childhood education and services for young children and families. Includes early childhood history, philosophical, and sociological perspectives, learning theories and field-based experiences. Fall, Spring.

ECE 4731  ED-CFCS  3(3,0)  Health, Safety, and Nutrition for Young Children: PR: Admission to Early Childhood Education Program and EEC 3700. Study of early childhood health and safety issues in early childhood education (0-8). Protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.

ECE 4744  ED-CFCS  3(3,0)  Child Life: Psychosocial Care of Child Life Settings: PR: EEC 3700. Course teaches Child Life theory and practice to students wanting to work with children, youth and their families in hospitals and pediatric clinical settings. Fall, Spring.


ECE 5206  ED-CFCS  3(3,0)  Organization of Instruction in Early Childhood Education: PR: Regular certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences. Spring.

ECE 5208  ED-CFCS  3(3,0)  Creative Activities in Early Childhood: PR: Regular certificate or C.I. Organization of instruction and methods for creative activities involving music, art, literature and educational toys, integration of activities, and basic skills curriculum (K-3). Concurrent laboratory experience. Fall, Spring.

ECE 5745  ED-CFCS  3(3,0)  Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700 or C.I. Course teaches Child Life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric health settings. Fall, Spring.

EEE 3307C  ECS-ECE  4(3,3)  Electronics I: PR: EEE 3307. Digital electronics, including basic circuits, bipolar transistors, field effect transistors and device models. Fall, Spring.

EEE 3342C  ECS-ECE  3(2,3)  Digital Systems: PR: MAC 2311, MAC 2312, PHY 2048C, PHY 2048G, PHY 2048G all with a “C” (2.0) or better. Computer logic, combinational and sequential circuit design, registries, arithmetic units, memories, finite state machines, and design with programmable logic devices. Fall, Spring. M&S fee $9.00

EEE 3350  ECS-ECE  3(3,0)  Semiconductor Devices I: PR: EEL 3304 and PH 3101. Semiconductor device physics, energy band diagrams, electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.

EEE 4309C  ECS-ECE  4(3,3)  Electronics II: PR: EEE 3307C, EEE 3342C, Ideal Op-Amps and applications. Introduction to Logic Circuits; Bipolar, MOS and CMOS families; Flip-flops and memory cells, comparators, and timing circuits: A/D and D/A converters. Fall, Spring. M&S fee $20.00


EEE 4463  ECS-ECE  3(3,0)  MEMS Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, microfabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. Fall.

EEE 5332C  ECS-ECE  3(2,1)  Thin Film Technology: PR: EEE 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee $70.00

EEE 5352  ECS-ECE  3(3,0)  Semiconductor Material and Device Characterization: PR: EEE 3350 or C.I. Semiconductor material characterization resistivity, mobility, doping carrier lifetimes, device properties, threshold voltage, interface charge dislocations, optical and surface characterization of films. Occasional.

EEE 5353  ECS-ECE  3(3,0)  Semiconductor Device Modeling and Simulation: PR: EEE 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5568C  ECS-ECE  4(3,3)  Fabrication of Solid-State Devices: PR: EEE 3307C. 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 5570  ECS-ECE  3(3,0)  Operational Amplifiers: PR: EEE 4309C. Advanced principles and design techniques for CMOS and bipolar amplifiers. Laboratory experiments, design projects. Fall.

EEE 5578  ECS-ECE  3(3,0)  CMOS Analog and Digital Circuit Design: PR: EEE 4309C. Advanced principles and design techniques for CMOS analog and digital circuit design. Fall.

EEE 5590  ECS-ECE  3(3,0)  Full-Custom VLSI Design: PR: EEE 3342C, EEE 3307C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation; verification. Spring.

EEE 5604  ECS-ECE  4(3,3)  Electrical Networks: PR: MAC 2311, MAC 2312, MAC 2313, PHY 2048C, PHY 2048G all with a “C” (2.0) or better. Graphs, superposition theorem, network synthesis, Thévenin’s theorem, and problem solving. Fall, Spring.

TEGRAL Fields: PR: EEL 3004, Electromagnetic fields and electromagnetic waves. Fall, Spring.

EEL 3531 ECS-ECE 3(3.0) Information Theory: PR: STA 2023, Entropy and mutual information. Asymptotic equipartition property. Entropy rates of a stochastic process. Data compression, channel capacity, Gaussian channel, rate distortion theory. Network information theory. Not open to EE or CqE majors. Fall, Spring.


EEL 3567 ECS-ECE 3(3.0) Linear Control Systems: PR: EEL 3123C, EGN 3460, Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.

EEL 3600L ECS-ECE 1(0.3) EECS Integrated Laboratory: PR: EEL 3552C, EEL 3600, EEL 4750. Topics: Sampling, Digital FIR and IIR Filtering, Design and implementation of digital filters, and receivers based upon AM and FM, PID controller and feedback systems, and power conversion. Occasional.


EEL 4140C ECS-ECE 4(3.3) Analog Filter Design: PR: EEL 3123C. Passive and active analog filter design. Fall. M&S fee $15.00


EEL 4216 ECS-ECE 3(3.0) Fundamentals of Electric Power Systems: PR: EEL 3004 or C.I. Three-phase power representation, fundamentals of AC circuits, and analysis techniques. Fall. M&S fee $35.00

EEL 4436C ECS-ECE 4(3.3) Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. Odd Fall. M&S fee $35.00

EEL 4440 ECS-ECE 3(3.0) Optical Engineering: PR: EEL 3470, EEL 3552C or C.I. Lens systems, aberrations, sources, radiometry, detectors, thermal optics, infrared devices, applications to engineering design problems. Spring.


EEL 4515C ECS-ECE 4(3.3) Digital Communication Systems: PR: EEL 3552C. Sampling and device interfacing; coding, modulation, and Delta Modulation ASK, FSK, PSK, MPSK, introduction to coding. Fall. M&S fee $20.00

EEL 4518 ECS-ECE 3(3.0) Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth to space link analysis, TDMA and TDMA. May be repeated for credit. Fall.

EEL 4612 ECS-ECE 3(3.0) Introduction to Modern and Robust Control: PR: EEL 3657. Classical control theory including differential equations and Laplace transform techniques, stability analysis, and classical frequency domain design. Occasional.

EEL 4635C ECS-ECE 4(3.3) Computer Control Systems: PR: EEL 3657. Discrete-time systems, the z-transform, and single loop computer control systems. Digital simulation in the analysis and design of processes with embedded computers. No graduate credit for both EEL 5630 and this course. Occasional.

EEL 4742C ECS-ECE 4(3.3) Embedded Systems: PR: EEL 3801C. Micromicrocontroller systems, assembly language programming, data representation, microcontroller and device interfacing, assembly analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall. Spring. M&S fee $15.00


EEL 4783 ECS-ECE 3(3.0) Hardware Description Languages in Digital System Design: PR: EEL 3552C and EEL 3801C. Hardware languages, simulation and synthesis of RTL circuits and systems, design examples and projects. Occasional.

EEL 4791 ECS-ECE 3(2.4) Telemetry and Space Computer Systems: PR: EEL 3552C and EEL 3801C, EEL 3051, EEL 3307, EEL 4730. Telemetry and computer sub-systems are discussed as they are implemented in the space-launch system “iner-tial upper stages”. Occasional.

EEL 4817H ECS-ECE 3(3.0) Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4816H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE 3(3.0) Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 3801C or EEL 3552C and EEL 3032 or C.I. Machine Learning and Applications. ART Neural Networks, Genetic Algorithms, Decision Trees, Evolutionary Hardware, Evolutionary Neural Networks, and Reinforcement Learning. Fall.

EEL 4823 ECS-ECE 3(3.0) Engineering Applications of Computer Methods: PR: MAP 3202, STA 3032, EGN 3420. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root-finding, integration and series approximations. Fall, Spring.

EEL 4851C ECS-ECE 4(3.3) Engineering Data Structures: PR: EEL 3801C. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. Fall, Spring.

EEL 4872 ECS-ECE 3(3.0) Engineering Applications of Intelligent Systems: PR: EEL 4503C or C.I. Knowledge and intelligence, predicate logic and automated reasoning, heuristic search, knowledge representation, automated planning, introduction to machine learning, knowledge-based systems and philosophy of AI. Occasional.

EEL 4882 ECS-ECE 3(3.0) Engineering Systems Software: PR: EEL 4851C and EEL 4742C. Introduction to operating systems concepts and applications, including multi-programming, resource allocation and management, systems utilities, and operating system implementation. Fall, Spring.

EEL 4884C ECS-ECE 4(3.3) Engineering Software Design: PR: EEL 4851C. Software systems life cycle, function and object oriented methodologies. CASE Analysis, design, and development of a large software project. Fall, Spring.

EEL 4890 ECS-ECE 3(3.0) Continuous System Simulation I: PR: MAP 2302. Numerical integration techniques and discrete time system models for approximating the dynamics of continuous systems. Occasional.

EEL 4914 ECS-ECE 3(3.0) Senior Design I: PR: EEE 3307C, EEL 4742C, and consent of School of EECS. Applications of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

EEL 4915L ECS-ECE 3(0.3) Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering project including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. Fall, Spring. M&S fee $15.00

EEL 5173 ECS-ECE 3(3.0) Linear Systems Theory: PR: EEL 3657. Models and properties of linear systems, time and frequency domain, controllability and observability, control and observer designs, MFD, and realization theory. Spring.

EEL 5185 ECS-ECE 3(3.0) System Identification: PR: EEL 4750 or C.I. Dynamic systems, models of time-continuous and time-discrete linear systems, nonlinear systems, nonparametric frequency- and time-domain identification methods, kernal expansion techniques, parameter estimation methods, experiment design, and applications. Odd Spring.

EEL 5245C ECS-ECE 2(1.3) Power Electronics: PR: EEE 4309C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cyclo-converters, applications. Fall.

EEL 5272 ECS-ECE 3(3.0) Biomedical Sensors: PR: EEL 4750 or EEL 4525 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEL 5432 ECS-ECE 3(3.0) Satellite Remote Sensing: PR: EEL 3470 or PHY 4324. Fundamentals of satellite remote sensing, orthorectification and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysical measurements. Occasional.

EEL 5437C ECS-ECE 4(3.3) Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. Even Fall. M&S fee $40.00
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EEL 5439C ECS-ECE 3(2,1) RF and Microwave Communications: PR: EEL 4439C 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 5462C ECS-ECE 3(3,1) Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipoles, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall.


EEL 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: PR: EEL 3552C. Elements of probability theory, random variables, and stochastic processes. Fall, Spring.


EEL 5550 ECS-ECE 3(3,0) Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for nonlinear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the field. Fall, Spring, Occasional.

EEL 5560 ECS-ECE 3(3,0) Digital Control Systems: PR: EEL 3557. Real-time digital control system analysis and design, Z-transforms, sampling and reconstruction, time and frequency response, stability analysis, digital controller design. Fall.

EEL 5569 ECS-ECE 3(3,0) Autonomous Robotic Systems: PR: EEL 3557 or C.I. Introduction to robotic with emphasis on kinematic, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. Odd Fall.

EEL 5600 ECS-ECE 3(3,0) Introduction to Medical Robotics and Tele-Operation: PR: EEL 3657 or Medical students in their second year or later. Medical robots for minimally invasive surgery, kinematics, constrained workspace and dexterity, haptics, tele-operation and network based control, basics of laparoscopic surgery. Occasional.

EEL 5704 ECS-ECE 3(3,0) Computer Aided Logical Design: PR: EEL 4742C. Design, analysis and synthesis of sequential logic circuits and systems. Data path and controller design using a hardware description language. Occasional.

EEL 5722C ECS-ECE 3(3,1) 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 resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA). Even Spring.

EEL 5820 ECS-ECE 3(3,0) Image Processing: PR: MAP 2302, EGN 3420, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques. Odd Spring.

EEL 5825 ECS-ECE 3(3,0) Pattern Recognition: PR: EGN 3420 or C.I. Preliminary 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 the 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 4331C 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 and CE fields. Graded S/U. Occasional.

EES 4111 ECS-ECE 3(2,3) Biological Process Control: PR: EEL 3501 with a grade of "C" (2.0) or better; CR: ENV 4531. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bioenergy products, wastewater treatment, and others. Spring. M&S fee $59.00

EES 4202C ECS-CECE 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-CECE 3(3,0) Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of similarities between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. Occasional.

EES 5605 ECS-CECE 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 2090 ED-CFCS 3(3,0) Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EEX 2758 ED-CFCS 2(2,0) Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. Fall, Spring.

EEX 3102 ED-CFCS 3(3,0) Language Development and Communication Disorders: PR: Junior standing. Interdisciplinary approach to language development, identification and remediation of communication and language disorders. Occasional.

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 growth of exceptional students. Fall, Spring.


EEX 3243 ED-CFCS 3(3,1) Techniques for Exceptional Adolescents-Adults: CR: EEX 3241. A study of strategies, basic and functional content, career and vocational educational, and transition planning for adolescents and adults with special needs. 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.


EEX 3942 ED-CFCS 3(3,0) Internship I Exceptional Education: PR: EDG 4410, RED 3012, EEX 2010, EEX 3241, MAE 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.


EEX 4066 ED-CFCS 3(3,0) Curriculum, Theory and Instructional Strategies for Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. Occasional.


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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. Concept development and launching of an 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 ESI 4523C. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. Occasional. M&I fee $45.00.

EGN 4707C ECS-MMAE 3(2,4)
Processing Space-Launch Systems: PR: For ECE 3903C or EEL 4742C; For EIM 4262C; 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 (3,0)
Energy and Society: Investigation of available energy forms, energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.

EGN 4921C ECS-IEMS 2(2,1)
Interdisciplinary Research and Development I: PR: Junior standing 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-ECS 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 global 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/I. Selected topics in the technological development of western civilization including the weight-driven clock, steam engine, electric light, etc. Occasional.

EGN 5720 ECS-IEMS 2(3)
Internal Combustion Engine Analysis and Optimization: PR: EGN 3343 or EGN 3355 or C/I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. Even Fall, Even Spring. M&I 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 experiences. Occasional.

EGN 5855C ECS-IEMS 2(2,2)
Metrology: PR: EIN 4391C or C/I. Advanced topics in inspection and measurement with applications in engineering and manufacturing. Occasional.

EGN 5858C ECS-IEMS 3(2,1)
Prototyping and Product Realization: PR: Basic knowledge and experience in CAD/CAE 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&I 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 Measurement: PR: STA 3032 or C/I. Introduction to lean six sigma analysis as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.

EIN 3354 ECS-IEMS 3(3,0)
Principles of Cost Engineering: PR: EIN 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 (intraperusal to interpersonal to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-IEMS 2(2,2)
Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.

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: PR: EIN 3314, EIN 3354, 4629C; CR: EIN 4333, EIN 4391 or C/I. Planning and design of production systems including interrelationships between process layouts, material handling, warehousing and site selection. Spring. M&I fee $20.00.

EIN 4391 ECS-IEMS 3(3,0)
Manufacturing Engineering: PR: CHM 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 4450 ECS-IEMS 3(3,0)
Principles of Concurrent Engineering: PR: EGN 3613 or C/I. Elements of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly. Even Spring.

EIN 4516C ECS-IEMS 3(2,2)
Systems Analysis and Design: PR: ESI 4523C, EIN 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 4312; C/I: ESI 4234 or C/I. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.

EIN 4621C ECS-IEMS 3(2,2)

EIN 4891C ECS-IEMS 3(2,3)
Industrial Engineering Senior Design Project: PR: EIN 4156C. 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. Computer science is 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 engineering design 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; quiz 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.

Forecasting: PR: ESI 5210; Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Even Spring. M&S fee $20.00

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

Seminar in Industrial Engineering: Doctoral Research: PR: EGN 3365, or EGN 3343 or EGN 3358. Occasional.


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.

Materials in Today's World: with emphasis on modern properties, manufacture, and uses of metals, ceramics, and polymers. PR: EGN 3365, or EMA 3706. Uses, structure, physical and chemical properties, and processing of ceramic, materials. Discussions will include recent developments for high technology applications. Occasional.


Surface Science: PR: PHYS 2049C and C.I. Methods of characterization of physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopic utilizing electron, ion and photon probes. Occasional.

Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic, materials. Discussions will include recent developments for high technology applications. Occasional.


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.

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.

Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5004 or C.I. Principles of interaction 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.


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.

Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties basic to photovoltaics, structures, homojunctions, heterojunctions, and surface barrier solar cells, AM1.5D-modeling of C-Si, GaAs bulk and a-Si, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.


EME 5610 ECS-MMAE 3(3,0)
Laser Materials Processing: PR: EGN 3343 or EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, and land-based gas turbine requirements. Occasional.

EM 5705 ECS-MMAE 3(3,0)

EME 2040 ED-TL&L 3(3,0)
Introduction to Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, internet, educational software and legal, ethical and social issues. Fall, Spring. M&S fee $1.00

EME 2041 ED-TL&L 3(3,0)
Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EME 4312 ED-TL&L 3(3,0)
Applications of Technology in Education: Classroom applications of instructional media, including computers. Includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

EME 5050 ED-TL&L 3(3,0)
Fundamentals of Technology for Educators: PR: Post tac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

EME 5051 ED-TL&L 3(3,0)
Technologies of Instruction and Information Management: PR: Acceptance into Ed Media Program or C.I. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

EME 5053 ED-TL&L 3(3,0)
Electronic Resources for Education: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. Fall.

EME 5208 ED-TL&L 3(3,0)
Production Techniques for Instructional Settings: PR: Acceptance into Ed Media Program or C.I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional and communication theories. Spring.

EME 5225 ED-TL&L 3(3,0)
Media for Children and Young Adults: PR: Acceptance into Ed Media Program or C.I. Survey of materials for children’s and young adults’ informational and recreational needs; analysis, evaluation, and utilization of print and non-print materials. Spring.

EME 5810 ED-TL&L 1(1,0)
Teaching and Learning with Technology: Overview of technologies for teaching and for learning. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. Occasional.

EMI 3001C ECS-MMAE 1(1,2)

EMI 3034C ECS-MMAE 3(3,1)

EMI 3010 ECS-MMAE 3(3,0)
Thermodynamics of Mechanical Systems: PR: EGN 3343 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Applied thermodynamics, availability analysis, thermodynamic relations of materials. Fall.

EMI 3262 ECS-MMAE 3(3,0)
Kinematics of Mechanisms: PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.

EMI 3303C ECS-MMAE 2(2,3)
Mechanical Engineering Measurements: PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Principles of continuous fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.

EMI 3990 ECS-MMAE 0(0,0)
Mechanical Career and Academic Faculty Advising: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EMI 4005 ECS-MMAE 3(3,0)

EMI 4024C ECS-MMAE 3(2,2)
Engineering Design Practice: PR: EML 3034C and EML 3500 or EAS 4200. Basic CAD/CAM solid modeling techniques in a project oriented environment. Students will construct parts models, drawings, and assemblies. Use of in-house software. Fall, Spring.

EMI 4142 ECS-MMAE 3(3,0)

EMI 4145 ECS-MMAE 2(2,0)

EMI 4220 ECS-MMAE 3(3,0)

EMI 4221C ECS-MMAE 2(1,2)
Mechanical Systems: PR: EML 3300C or EML 4200 or EAS 4210. Provides a teaching/laboratory of dynamic vibration and modal analysis testing and theory using modern instrumentation and software tools to develop competence in designing and conducting tests, analysis and interpreting engineering data. Fall, Spring. M&S fee $35.00

EMI 4260 ECS-MMAE 3(3,0)

EMI 4293 ECS-MMAE 3(3,0)
Essentials of Computer Simulation Systems: PR: Graduate status or C.I. Engineering of miniature mechanical, thermal, energy, and electrical systems, including advantages, microfabrication methods, and future trends. Occasional.

EMI 4304C ECS-MMAE 2(1,3)

EMI 4312C ECS-MMAE 2(2,3)
Feedback Control: PR: EGN 3321, MAP 2302, EML 3303C and EML 4220 or EAS 4210C. Mathematical modelling of dynamic systems; transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design. Fall.

EMI 4411 ECS-MMAE 3(3,0)
Mechanical Power Systems: PR: EML 3701. Analysis and design of large power generation systems and components, with emphasis on steam plants utilizing both chemical and nuclear fuels. Occasional.

EMI 4454 ECS-MMAE 3(3,0)
Turbines for Sustainable Power: PR: EML 3601, EML 3305 or EMA 3700, EML 3701 or EAS 3101, EML 4142; CR: EML 4220 or EAS 4210. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of conventional and green technologies. Occasional.

EMI 4501C ECS-MMAE 3(1,6)

EMI 4502C ECS-MMAE 3(1,6)
Engineering Design II: PR: EML 4501C, EML 4991. Continuation of the design process in the team building and testing of a prototype. A test plan and test report are completed. Fall, Spring. M&S fee $60.00.

EMI 4535C ECS-MMAE 3(2,3)
CAD/CAM: PR: EGN 3343, EML 3034C, and EML 3601; CR EAS 4200 or EML 3500. CAD/CAM/FEM computational technology. Basic concepts. Concurrent engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. Fall, Spring.

EMI 4600 ECS-MMAE 3(3,0)

EMI 4602 ECS-MMAE 3(3,0)
Applied HVAC Engineering: PR: EML 4600; CR: EML 4142. Applications of HVAC systems design with the objective of optimizing energy efficiency, air quality control, ventilation, and indoor air quality. Dehumidification performance of the various HVAC system types and their interactions with the building. Spring.
ENC 1102H CAH-WRITE 3(3,0) Honors Freshman Composition II: PR: ENC 1102 or 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, memorandum reports, and articles in the student’s declared field of business. Fall, Spring.

ENC 2411C CAH-WRITE 3(2,1) Digital Literacy for the Liberal Arts: Designed to help students better understand how computer technologies have shaped our culture and to become critical consumers. Students will learn to acquire a critical sensibility regarding the manner in which technology affects and is affected by texts. Occasional.

ENC 3211 CAH-ENG 3(3,0) Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, or C.I. Exploring definitions and theoretical foundations in technical writing field, and the roles of writers in industry. Fall, Spring.

ENC 3211H CAH-ENG 3(3,0) Honors Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better in ENC 1102H or equivalent credit, and Consent of Honors. History, definition, theory, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. With Honors Content. Occasional.

ENC 3241 CAH-ENG 3(3,0) Writing for the Technical Professional: PR: Grade of C (2.0) or better in ENC 1102, junior standing, or C.I. Writing effective correspondence, instructions, proposals, and informal and formal reports. Fall, Spring.

ENC 3241H CAH-ENG 3(3,0) Honors Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102 or equivalent credit, and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design of data, and preparation of technical documents for the lay audience. With Honors content. Occasional.

ENC 3250 CAH-ENG 3(3,0) Professional Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, and 12 upper division hours in the student’s major. Major elements of professional writing with emphasis on creation 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. Analyzes the history of rhetoric and the evolution of its theoretical, pedagogical and civic tradition. Even Spring.

ENC 3331 CAH-WRITE 3(3,0) Rhetoric and Civic Engagement: PR: Grade of C (2.0) or better required in ENC 1102. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. Fall, Spring.

ENC 3331H CAH-WRITE 3(3,0) Honors Rhetoric and Civic Engagement: PR: Consent of Honors. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. With Honors Content. Even Spring.

ENC 3351 CAH-WRITE 3(3,0) Writing for Publication: PR: Grade of C (2.0) or better required in ENC 1102. Examines freelance markets, article genre, and the rhetorical skills needed to design and produce articles for specific audiences and publications. Occasional.

ENC 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 3347 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 practicalities 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 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-CAH-WRITE: 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. A study of the theory and practice of persuasion, including logical emotional and ethical appeals. Occasional.

ENC 3942 CAH-ENG 3(3,0) Journal Writing Practicum: PR: Grade of C (2.0) or better required in ENC 1102. An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. Occasional.

ENC 3943 CAH-ENG 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 Publishing and Project Management: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technologies, 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 4242 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 required 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. Theoretical and practical assignment 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 4283. 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.
ENC 4313 CAH-ENG 3(3,0) Research Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. Occasional.

ENC 4354 CAH-WRITE 3(3,0) Community Based Research and Writing: PR: Grade of C (2.0) or better required in ENC 1102. The study, instruction, and assessment of community-based research and writing using various methods, including intercultural inquiry. Occasional.

ENC 4360 CAH-ENG 3(3,0) Nature Writing: PR: Grade of C (2.0) or better required in CRW 3013 and CRW 3533. English major or minor and junior standing. C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.

ENC 4374 CAH-WRITE 3(3,0) Gendered Rhetorics: PR: Grade of C (2.0) or better required in ENC 1102. Historical and theoretical study of gendered rhetorical practices, with emphasis on women rhetors. Occasional.

ENC 4414 CAH-WRITE 3(3,0) Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 1102. This online course explores the development of digital/rhetoric through a close reading and analysis of formative rhetoric texts, modern American fiction and film. Fall, Spring.

ENC 4416 CAH-WRITE 3(3,0) Writing in Digital Environments: PR: Grade of C (2.0) or better required in ENC 1102. Study and practice of new media/Internet writing and publishing, covering a range of online and multimedia genres. Occasional.

ENC 4504 CAH-WRITE 3(3,0) Contemporary Composition Theory: PR: Grade of C (2.0) or better required in ENC 1102. Combines major theoretical paradigms and more emergent theoretical explorations in modern and contemporary composition studies. Occasional.

ENC 4523 CAH-WRITE 3(3,0) Writing and Identity: PR: Grade of C (2.0) or better required in ENC 1102. Explores the role of identity in writing, particularly negotiating gender, race, class, sexual identity and other difference issues. Occasional.

ENC 4544 CAH-WRITE 3(3,0) Writing Pedagogy: PR: Grade of C (2.0) or better required in ENC 1102. Overview of pedagogical issues and strategies related to the teaching of writing, with focus on college-level writing. Occasional.

ENC 5225 CAH-ENG 3(3,0) Theory and Practice of Document Usability: PR: Graduate status or senior standing or C.I. Presents theory and practice of how document usability is assessed and improved. Occasional.

ENC 5237 CAH-ENG 3(3,0) Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major document designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

ENC 5276 CAH-ENG 3(3,0) Writing/Consulting: Theory and Practice: PR: Graduate status or senior standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). Occasional.

ENC 5278 CAH-ENG 3(3,0) Developing Professional Writing Projects: PR: Graduate status or C.I. Developing Professional Writing is a course in which students learn the basics of planning writing projects, including scheduling, budgeting, collaborative writing, production, and problem solving. Occasional.

ENC 5337 CAH-ENG 3(3,0) Rhetorical Theory: PR: Graduate standing or C.I. Overview of theory and history of classical and modern rhetorical theory and rhetorical instruction. Fall.

ENC 5705 CAH-ENG 3(2,1) Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Intensive study of theories of composition, with practical experience in the writing laboratory and in composition classes. Spring.

ENC 5745 CAH-ENG 3(3,0) Teaching Practice II: PR: ENC 5705, graduate status or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester, GTA's will participate in staff development and individual conferences with their mentors. Occasional.

ENC 5930 CAH-ENG 3(3,0) Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal profession, as well as for general publication. Occasional.

ENG 3010 CAH-ENG 3(3,0) Practical Criticism: PR: Grade of C (2.0) or better required in ENC 1102. Student evaluation of selected fiction, poetry, and drama through practical exercises in literary criticism. Occasional.

ENG 3014 CAH-ENG 3(3,0) Theories and Techniques of Literature: PR: Junior standing, or C.I. and C. (2.0) or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. Fall, Spring.

ENG 3071 CAH-ENG 3(3,0) Cultural Studies Literature: PR: Grade of C (2.0) or better required in ENC 1102. The theoretical and cultural developments over time that call for broadening the applications of literary analysis to produce "cultural studies." Occasional.

ENG 4114 CAH-ENG 3(3,0) Literature and Film: PR: Grade of C (2.0) or better required in ENG 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.

ENG 4614 CAH-ENG 3(3,0) Discourse of Cultural Studies: PR: ENG 3014. American popular culture texts in world context, using concepts and theories from global cultural studies to analyze transmission, translation, and appropriation. Occasional.

ENG 5009 CAH-ENG 3(3,0) Methods of Bibliographic and Research: PR: Graduate status or senior standing or C.I. Bibliographical, literary and systematic approaches to research at the graduate level in language and literature. Fall.

ENL 2012 CAH-ENG 3(3,0) English Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Beowulf to 1700. Fall, Spring.

ENL 2022 CAH-ENG 3(3,0) English Literature II: PR: Grade of C (2.0) or better required in ENC 1102. From 1700 to 1714. Fall, Spring.

ENL 3231 CAH-ENG 3(3,0) Restoration Literature: PR: Grade of C or better in ENC 1102. This course surveys the poetry, drama, and prose written during the Restoration era (1660-1700) and the social, historical, and political contexts. Occasional.

ENL 3236 CAH-ENG 3(3,0) Gothic Literature: PR: Grade of C or better required in ENC 1102. A study of the Gothic genre (prose, poetry, drama) in the British Isles and its cultural contexts. Occasional.

ENL 3564 CAH-ENG 3(3,0) Black British Literature: PR: Grade of C or better required in ENC 1102. Study of literature written inside the UK by authors of African, South Asian, and Caribbean lineage. Occasional.

ENL 3951 CAH-ENG 3(3,0) Orlando Shakespeare Festival: PR: ENC 1102. Involvement in theory and practice of Shakespeare's art by performance-oriented study and participation in the Orlando Shakespeare Festival's pre-season activities and productions. Occasional.

ENL 3951H CAH-ENG 3(3,0) Orlando Shakespeare Festival Honors: PR: ENC 1102 and permission of Honors. Honors theory and practice of Shakespeare's art by performance-oriented study and participation in the Orlando Shakespeare Festival's pre-season activities and productions. Occasional.

ENL 4101 CAH-ENG 3(3,0) English Novel: PR: Grade of C (2.0) or better required in ENG 3014. Analysis of major English novelists. Occasional.

ENL 4220 CAH-ENG 3(3,0) Entrepreneurial Writing and Inquiry: PR: Grade of C (2.0) or better required in ENG 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lyly & others. Occasional.

ENL 4230 CAH-ENG 3(3,0) 18th Century Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of literature in English: 1660-1800. May be repeated for credit. Occasional.

ENL 4240 CAH-ENG 3(3,0) English Romantic Writers: PR: Grade of C (2.0) or better required in ENG 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlitt, Lamb, Byron, Shelley and Keats. Occasional.

ENL 4253 CAH-ENG 3(3,0) The Victorian Age: Poetry: PR: Grade of C (2.0) or better required in ENG 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossettis, and Emily Bronte. Occasional.

ENL 4262 CAH-ENG 3(3,0) Nineteenth Century British Prose: PR: Grade of C (2.0) or better required in ENG 3014. Essays and fiction of the nineteenth century. Occasional.

ENL 4273 CAH-ENG 3(3,0) Modern British Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern British literature. Occasional.

ENL 4303 CAH-ENG 3(3,0) British Authors: PR: ENG 3014. Study of the works of a single British author. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ENL 4311 CAH-ENG 3(3,0) Chaucer: PR: Grade of C (2.0) or better required in ENG 3014. The Canterbury Tales, Troilus and Criseyde, and other works. Occasional.

ENL 4333 CAH-ENG 3(3,0) Shakespeare Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of Shakespeare's plays. May be repeated for credit. Occasional.

ENL 4341 CAH-ENG 3(3,0) Milton and His Age: PR: Grade of C (2.0) or better required in ENG 3014. Paradise Lost, Paradise Regained, Samson Agonistes, shorter poems and selected prose. Occasional.

ENL 5006 CAH-ENG 3(3,0) British Literature: Medieval to Modern: PR: Graduate status or senior standing or C.I. Survey of British Literature from beginnings to present, with instruction in the fundamentals of prose, poetry, and drama. Emphasis on Literature's social and historical contexts. Occasional.

ENL 5237 CAH-ENG 3(3,0) Eighteenth Century Studies: PR: Graduate status or senior standing or C.I. Reading, analysis, and discussion of literature in English: 1660-1880. Occasional.


UCF Courses and Descriptions

ENL 5250 CAH-ENG 3(3,0) The Victorian Age: Poetry: PR: Graduate status or senior standing or C.I. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, Hardy, the Rossettas, Emily Bronte, and others. Occasional.

ENL 5256 CAH-ENG 3(3,0) Victorian Literature: 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) Studies in 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 Control Design: PR: ENV 4120 with a grade of “C” (2.0) or better and department consent. Project course on design of air pollution control systems. Spring. Fall.

ENV 4120 ECS-CECE 3(3,0) Air Pollution Control: PR: CHM 2046, 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 a grade of “C” (2.0) or better and department consent. Project course on design of a municipal solid waste landfills. Occasional.

ENV 4300C ECS-CECE 3(2,2) Solid Waste Facility Design: PR: ENV 4341 with a 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 a grade of “C” (2.0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment design with emphasis on teamwork to complete the design process. Occasional.

ENV 4531 ECS-CECE 3(3,0) Environmental Engineering Operations & Processes I: PR: ENV 3001, CWR 3201 both with a minimum grade of “C” (2.0) or better. Water and wastewater treatment process 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 2046 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.

ENV 4562C ECS-CECE 3(2,2) Environmental Engineering Water Treatment Design: PR: CWR 3201, ENV 4531 both with a grade of “C” (2.0) or better and department consent. Application of water systems design criteria in the specification and design of a full scale potable water treatment plant. Spring. M&S fee $43.00


ENV 5335 ECS-CECE 3(3,0) Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with 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 5410 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 5505 ECS-CECE 3(3,0) Sludge Management Operations and Environmental Engineering: PR: ENV 4561. Theory and design of sludge management operations and processes in environmental engineering, including stabilization and ultimate disposal. Occasional.

ENV 5517 ECS-CECE 3(3,0) Engineering Chemical and Biological Processes: PR: ENV 4561 (or equivalent) or C.I. Coverage of equilibrium/aquatic chemistry, softening and coagulation, and disinfection of water. Microbiology and biochemistry as applied to activated sludge system design. Fall.

ENV 5636 ECS-CECE 3(3,0) Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with the emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. Occasional.

EPH 5395 ED-CFCS 3(3,0) Physical and Sociological Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.


ESE 4942 ED-TL&L 1(1,0) Internship II Seminar: PR: Internship I in the specific discipline; CR: Internship II in the specific discipline. Culminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.


ESE 5214 ED-TL&L 3(3,0) Secondary School Curriculum Improvement I: PR: Regular Certificate or C.I. Secondary school self-studies for curriculum projects, accreditation reports, or staff development. Occasional.


ESI 4234 ECS-IEMS 3(3,0) Quality Engineering: PR: STA 3032. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems; reliability engineering. Fall.

ESI 4312 ECS-IEMS 3(3,0) Operations Research: PR: STA 3032. Introduction to linear, non-linear, and dynamic programming. Decision analysis, random processes, and queuing. Course covers theory through application and implementation of results. Fall.

ESI 4321 ECS-IEMS 3(3,0) Quantitative Techniques in Industrial Engineering: PR: ESI 4312. Extension of ESI 4312, with primary emphasis on Operations Research and statistical applications to industrial engineering problems. Even Fall.

ESI 4523C ECS-IEMS 2(3,2) Systems Simulation: PR: STA 3032 or C.I. Methods and procedures for simulation-large scale systems with digital computers. High level simulation languages are used. Spring.

ESI 4628C ECS-IEMS 2(3,2) Industrial Engineering Applications of Computers: PR: ESI 4523 or STA 3032. Survey of microcomputer methods in industrial engineering practice. Topics include: spreadsheets, databases, expert systems, and project management. Lab exercises. Fall.

ESI 5219 ECS-IEMS 3(3,0) Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, nonparametric tests, and ANOVA. Fall, Spring.

ESI 5227 ECS-IEMS 3(3,0) Total Quality Improvement: PR: STA 3032 or equivalent. Quality improvement (QI) tools and techniques, advanced QI techniques, quality improvement systems, total quality management concepts and implementation, planning and management tools, and case studies. Odd Fall.

ESI 5236 ECS-IEMS 3(3,0) Reliability Engineering: PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure data analysis, maintainability, reliability standards (DOO), software reliability, reliability in design, and electronic systems reliability. Fall.
UCF Courses and Descriptions

EUH 4610H CAH-HIST 3(3,0)
Honors Women in European Society: PR: GEP Honors completion or permission of instructor. 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 2001 or Film BFA, World Cinema major. Lecture and discussion of the literature on selected topics in European history. 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 Program or Interdisciplinary approach to examining the original Olympic games and other ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

EUH 5247 CAH-HIST 3(3,0)
Colloquium in European History 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)
Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Examination of theories and research concerning the implementation of basic human factors principles in conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. Occasional.

EUH 5285H CAH-HIST 3(3,0)
Seminar in Conservation Issues: PR: Graduate.

EUH 5595 CAH-HIST 3(3,0)
Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

EUH 5608 CAH-HIST 3(3,0)
Colloquium European Intellectual History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of European intellectual history. Occasional.

EVR 5930 CAH-HIST 1(1,0)
Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Contemporary topics stressing the breadth of conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. Occasional.

EXP 3204C COS-PSYCH 4(3,2)

EXP 3250 COS-PSYCH 3(3,0)

EXP 3304C COS-PSYCH 3(3,2)

EXP 3404C COS-PSYCH 3(3,2)

EXP 3604C COS-PSYCH 4(3,2)

EXP 4507C COS-PSYCH 3(1,4)

EXP 5208 COS-PSYCH 3(3,0)
Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0)
Human Factors and Aging: PR: Graduate standing, post bacc, or senior standing with C.I. An overview of issues related to enhancing quality of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0)
Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

EXP 5445 COS-PSYCH 3(3,0)
Psychology of Learning and Motivation: PR: DEP 5057, and graduate status or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. Occasional.

FIL 1000 CAH-FILM 3(3,0)
Cinema Survey: Introductory course that focuses on different approaches to studying cinema. Fall, Spring.

FIL 1000H CAH-FILM 3(3,0)
Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.

FIL 1007 CAH-FILM 3(3,0)
Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall, Spring.

FIL 1008 CAH-FILM 3(3,0)
Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall, Spring. M&S fee $5.00

FIL 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 1895 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 in both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.

FIL 2423 CAH-FILM 3(3,0)
Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video editing and 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)
Directing for Film I: PR: FIL 1007, FIL 1008, and FIL 3427C PR or CR: FIL 3115. Introduction to processes and techniques for film directing. Spring.

FIL 2481 CAH-FILM 3(3,0)
Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-FILM 3(3,0)
Editing I: PR: FIL 1006 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring. M&S fee $5.00

FIL 3006 CAH-FILM 3(3,0)
Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall. Spring. 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)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 3880C</td>
<td>Color and Lighting in Cinema</td>
<td>3(3,1)</td>
<td>FIL 3035C. Ideal lighting practices related to lighting and color primarily in film but also painting, sculpture, photography and theatre. Occasional.</td>
</tr>
<tr>
<td>FIL 3878C</td>
<td>Film Colloquium</td>
<td>1(1,1)</td>
<td>FIL 3878C. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>FIL 4454C</td>
<td>Advanced Animation</td>
<td>3(2,4)</td>
<td>FIL 4454C. Animation Workshop: PR: FIL 3427C, FIL 3720C, FIL 3734C, FIL 4735C, 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&amp;S fee $5.00</td>
</tr>
<tr>
<td>FIL 4451CA</td>
<td>Design for Film</td>
<td>3(3,0)</td>
<td>FIL 4451. Design for Film: PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. Fall.</td>
</tr>
<tr>
<td>FIL 4453C</td>
<td>Special Problems in Film Design</td>
<td>3(2,2)</td>
<td>FIL 4453C. Special Problems in Film Design: PR: FIL 3427C or FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. Occasional. M&amp;S fee $5.00</td>
</tr>
<tr>
<td>FIL 4472C</td>
<td>Cinematography II</td>
<td>3(3,4)</td>
<td>FIL 4472C. Cinematography II: PR: Fil major, FIL 2427C. 2461. Advanced principles and practices of cinematography. Spring. M&amp;S fee $5.00</td>
</tr>
<tr>
<td>FIL 4626C</td>
<td>Feature/TV Writing I</td>
<td>3(2,3)</td>
<td>FIL 4626C. 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.</td>
</tr>
<tr>
<td>FIL 4486C</td>
<td>Directing for Film II</td>
<td>3(3,1)</td>
<td>FIL 4486C. Directing for Film II: PR: FIL 3534. Principles and practice in directing narrative and documentary motion pictures. Fall. M&amp;S fee $5.00</td>
</tr>
<tr>
<td>FIL 4535C</td>
<td>Sound Design for Film II</td>
<td>3(3,1)</td>
<td>FIL 4535C. Sound Design for Film II: PR: FIL 3534. An understanding of how production mixers bring the film director's vision to the screen. Spring.</td>
</tr>
<tr>
<td>FIL 4536C</td>
<td>Sound Design III</td>
<td>3(3,0)</td>
<td>FIL 4536C. Sound Design III: PR: FIL 4535C Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. Occasional.</td>
</tr>
<tr>
<td>FIL 4463C</td>
<td>Feature/TV Writing II</td>
<td>3(2,3)</td>
<td>FIL 4463C. Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshop, principles and methods of adaptation and reader's coverage. Spring.</td>
</tr>
</tbody>
</table>

Note: For detailed course descriptions and prerequisites, please refer to the Undergraduate Catalog 2011-2012.
FIL 4939C CAH-FILM 3(3,1)
Current Problems in Film History: PR: FIL 3035C or consent of instructor. Recent work in film studies concerned with film history. Occasional.

FIL 5165 CAH-FILM 3(3,0)
Visual Storytelling: PR: Admission to Film and Digital Media master's program or C.I. Traditional forms of visual storytelling ranging from storyboarding to classic structural paradigms for feature film scripts. Fall.

FIL 5414 CAH-FILM 3(3,0)
Film Vision, Screenplay & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, marketing, and distributing a digital, microbudget motion picture. Spring.

FIL 5419 CAH-FILM 3(3,0)
Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media-Entre Digr Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.

FIL 5612 CAH-FILM 3(3,0)
Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films, including świata, shorts, films, short films, television documentaries and the Internet. Fall.

FIL 5800 CAH-FILM 3(3,0)
Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. Spring.

FIL 5853 CAH-FILM 3(3,0)
Independent Cinematic Forms: PR: Admission to MFA Film & Digital Media/Entre Digr Cin track, or C.I. Evolution of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. Fall.

FIL 5864 CAH-FILM 3(3,0)
Ways of Seeing: The Expressive Potential of Film: PR: Admission to MFA Film and Digital Media or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking. Fall.

FIL 5924 CAH-FILM 3(1,0)
Graduate Seminar: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. Strategies for a successful graduate experience, and forum for modes of inquiry, film technique, production and distribution issues, and thesis defense preparation. Graded S/U. May be used in the degree program a maximum of 6 times. Fall.

FIN 2100 BA-FIN 3(3,0)
Personal Finance and Investments: PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include estate planning, financial services, consumer credit, and tax analysis of personal and family financial planning. Topics include all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

FIN 3303 BA-FIN 3(3,0)
Financial Markets: PR: FIN 3403C; open to majors or minors which require this course. An in-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.

FIN 3414 BA-FIN 3(3,0)
Intermediate Corporate Finance: PR: FIN 3403C; open to majors or minors which require this course. An in-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.

FIN 3461 BA-FIN 3(3,0)

FIN 3504 BA-FIN 3(3,0)
Investment Analysis: PR: FIN 3403C; open to majors or minors which require this course. Analysis of management policies of financial institutions, investment strategies, risk, and capital structure. 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 operations 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 4514 BA-FIN 3(3,0)
Portfolio Analysis and Management: PR: FIN 3403C, FIN 3303 and FIN 3604; 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 3604; 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 4(3,1)
Applied Portfolio Management 1: PR: Finance major, FIN 3403C, FIN 3604, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of Equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C BA-FIN 4(3,1)
Applied Portfolio Management 2: PR: Finance major, FIN 4560C, 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)

FIN 4731 BA-FIN 3(3,0)
Senior Financial Consulting II: PR: Finance major; FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Fall. 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 immersion. Theoretical and applied knowledge of culture and language diversity. Occasional.

FLE 4290 ED-TL&L 2(2,0)
Technology in the Foreign Language classroom: PR: EMJE 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 language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. Occasional.

FLE 4333 ED-TL&L 3(3,0)

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 5870, 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 communicatively 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 on 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

FRE 1120C CAH-LANG 4(3,1) Advanced French Conversation: Introduces the student to French culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Fall, Spring.

FRE 1121C CAH-LANG 4(3,1) Elementary French Language and Civilization I: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.


FRE 2201 CAH-LANG 3(3,1) Intermediate French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.


FRE 3300 CAH-LANG 3(3,1) French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structure of French for students who intend to take French literature courses. Fall.

FRE 3410 CAH-LANG 3(3,1) Advanced Oral French Abroad: PR: FRE 2200 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

FRE 3420 CAH-LANG 3(3,1) French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAH-LANG 3(3,0) Advanced French Grammar Abroad: PR: FRE 2200 or FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440 CAH-LANG 3(3,0) Business French I: PR: Three semesters of French language. Introduces vocabulary and terminology in various French business activities, as well as standards, procedures, and practices of the French business world. Occasional.

FRE 3441 CAH-LANG 3(3,0) Business French II: PR: FRE 3440 or C.I. Introduction to French business language and practices. Occasional.

FRE 3760 CAH-LANG 3(3,0) Advanced French Oral Communication: PR: FRE 2201 or equivalent. Vocabulary building with systematization in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.

FRE 3780 CAH-LANG 3(3,0) French Phonetics and Diction: PR: French phonology, with emphasis on phonic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0) Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0) Advanced French Conversation: PR: FRE 3970. Advanced conversation on directed topics from various disciplines; literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(3,0) Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.

FRE 4471 CAH-LANG 6(6,0) Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.


FRE 4503 CAH-LANG 2(2,0) Quebecois Civilization: PR: 2 years of college level French or equivalent. Equivocates students with the to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRE 4782 CAH-LANG 2(2,0) Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Intensive exercises in French pronunciation and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.

FRT 3140 CAH-LANG 3(3,0) French and Francophone Literary Masterworks in Translation: PR: FRE 2200. May include survey covering texts from the Middle Ages to the present or may focus on a particular period, genre, or topic. Occasional.

FRT 3562 CAH-LANG 3(3,0) French Contemporary Pop Culture: PR: FRE 2200. Examination of Modern France and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

FRT 4421 CAH-LANG 3(3,0) French Medieval Literature and Culture: PR: FRE/3810. Preparation of the skills needed to read, discuss, and write about French literature and culture of medieval France. Occasional.

FRW 3100 CAH-LANG 3(3,0) Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

FRW 3101 CAH-LANG 3(3,0) Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

FRW 3370 CAH-LANG 3(3,0) Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

FRW 3740 CAH-LANG 3(3,0) The French Literature of Canada: PR: FRE 2201 or equivalent. A survey of the French literature of Canada from the late 19th century to the present, with particular emphasis on the novel and short story. Occasional.

FRW 3752 CAH-LANG 3(3,0) French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.


FRW 3770 CAH-LANG 3(3,0) Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 3810 CAH-LANG 3(3,0) French Literary Texts and Analysis: PR: FRE 2201. French literary and cultural analysis from the Middle Ages to the present. Course is conducted in French. Fall.

FRW 4281 CAH-LANG 3(3,0) 20th Century French Novels: PR: FRW 3101 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Beckett, Nabokov, Bataille, Boulet, Camus, Mauriac, Miaoulis, and Sartre. Occasional.

FRW 4310 CAH-LANG 3(3,0) Seventeenth Century French Theatre: PR: FRW 3100. Corneille, Racine, and Molière. A study of the lives and principal works of the authors. Occasional.

FRW 4324 CAH-LANG 3(3,0) 20th Century French Drama: PR: FRW 3101 or FRW 3101. The philosophical movement Montaigneau, Vauvenargues, Voltaire, Diderot, Buffon. Odd Fall.


FRW 4820 CAH-LANG 3(3,0) Styletics: PR: FRE 3420 or equivalent. An intensive study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.

FSS 2211C RCHM-HOS 4(3,1) Techniques of Food Preparation: Basic principles of food and beverage preparation, service, and menu development. Fall. M&S fee $70.00.

FSS 2284C RCHM-FOOD&LODG 4(3,3) Food Preparation for Catered Events: Basic principles of food preparation and menu development for catered events. Methods and procedures for on and off premise catered events. Occasional. M&S fee $70.00.

FSS 3008 RCHM-HOS 3(3,0) Culture and Cuisine: PR: FSS 2212C and HFT 3263. The major historical and geographical developments that have affected the creation of the cuisines of the world. Spring. M&S fee $35.00.

FSS 3124 RCHM-HOS 3(3,0) Supply and Procurement Management: PR: HFT 1000 and junior standing at C.I. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. Occasional. M&S fee $45.00.

FSS 3322C RCHM-HOS 3(1,3) Intermediate Techniques of Food Production: PR: HFT 4206C. An advanced food production course which provides the student the opportunity to develop skills in pantry, garde-manger, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee $70.00.

FSS 4135 RCHM-HOS 3(3,0) Corporate Contract and Managed Services Organizations: PR: HFT 3263. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.
GEW 3480 CAH-CLEA (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-CLEA (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-CLEA (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 (3,0) 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 (3,0) Honors Images of Aging: PR: Advanced standing in the Honors College and consent of Honors. Intermediate 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 (3,0) 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 5660 ED-CFCS (3,0) Physiology of Aging: PR: BSC 2010C or PCB 3703C or PET 5737C 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 (3,0) Gerontology: An Interdisciplinary Approach: PR: Graduate standing or senior standing or C.I. The study of aging will be presented from an interdisciplinary and multidisciplinary approach spanning the social sciences and health. Occasional.

GIS 3043C UGST-INTERDISC (2,2) GIS for Environmental Studies: PR: CGS 1060C and BSC 2010C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility siting studies. Odd Fall.

GIS 4035C ECS-CECE (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) 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 (3,0) 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3344</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.</td>
<td>Occasional.</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Hospitality industry Managerial Accounting: PR: HFT 2411 and C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decision making using hospitality industry systems of accounting. Fall, Spring.</td>
<td>Occasional.</td>
</tr>
<tr>
<td>HFT 3443</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Event Technology: PR: HFT 1000 and HFT 2750; or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.</td>
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<tr>
<td>HFT 3512</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.</td>
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<tr>
<td>HFT 3515</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Reservations Sales &amp; Marketing: PR: HFT 1000, HFT 2750 or C.I. Provides insight to aspects of planning, preparing and performing room sales activities. Focus will be to manage all distribution channels to maximize profitability. Odd Fall.</td>
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<tr>
<td>HFT 3517</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Convention and Conference Sales: PR: HFT 2750, HFT 2500 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. Fall.</td>
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<tr>
<td>HFT 3523</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Event Sales: PR: HFT 2500 and C.I. In-depth look at the sales process for events, including the development of requests for proposals, negotiation skills and sales strategies. Fall, Spring.</td>
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<tr>
<td>HFT 3540</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Guest Services Management I: PR: Junior standing or C.I. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.</td>
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<tr>
<td>HFT 3600</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Legal Environment in the Hospitality and Tourism Industry: PR: C.I. Principles of law as related to the Hospitality/Tourism Industry. Fall, Spring.</td>
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<tr>
<td>HFT 3610</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Law and Restaurant Management: PR: HFT 3603 and HFT 3623. Emphasizes on regulatory, case and administrative law, Compliance, prevention, and remedial actions are stressed. Occasional.</td>
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<tr>
<td>HFT 3654</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Fall.</td>
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<tr>
<td>HFT 3670</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Hospitality and Event Risk Management: PR: HFT 1000 and HFT 2750; or C.I. Real, crisis, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. Occasional.</td>
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<tr>
<td>HFT 3700</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.</td>
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<tr>
<td>HFT 3741</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall, Spring.</td>
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<tr>
<td>HFT 3770</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management, shipboard organization and delivery of the cruise product to the guest. Occasional.</td>
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<tr>
<td>HFT 3875</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Management of Gaming Enterprises: PR: Junior level standing; an in-depth study of gaming-based organizations including cruise ships, Indian casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.</td>
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<tr>
<td>HFT 3792</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Event Design and Production: PR: HFT 1000, HFT 2750, HFT 3443, and HFT 3670; or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.</td>
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<tr>
<td>HFT 3798</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Fairs and Festivals: PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. Occasional.</td>
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<tr>
<td>HFT 3887</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Multi-Unit Food Service Operations: PR: HFT 1000, HFT 2750, or C.I. The strategy and managerial aspects of chain restaurant management, including organization development, brand building, and industry segments. Spring.</td>
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<tr>
<td>HFT 3884</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>Topics in Restaurant and Foodservice Management: PR: HFT 3263 and FSS 2221C. Guest lecture series covering contemporary issues in the various segments of the foodservice industry. Odd Spring.</td>
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<tr>
<td>HFT 3868</td>
<td>RCHM-TEA</td>
<td>3(3,0)</td>
<td>History and Culture of Wine: PR: World History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring. M&amp;S fee $45.00.</td>
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<tr>
<td>HFT 3893</td>
<td>RCHM-TEA</td>
<td>1(1,0)</td>
<td>Distinguished Lectures in Hospitality Management: PR: HFT 1000, Junior standing. First hand introduction to hospitality leaders, their perspectives on the segments they represent, and the breadth of those segments. Graded S/U. Fall, Spring.</td>
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<tr>
<td>HFT 3949</td>
<td>RCHM-TEA</td>
<td>0-5(1,0-5)</td>
<td>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.</td>
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<tr>
<td>HFT 4268</td>
<td>RCHM-TEA</td>
<td>3(3,1)</td>
<td>Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas; food service lab component. Occasional.</td>
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</tr>
</tbody>
</table>
Case Studies in Multi-Unit Restaurant Food Service Management:
HFT 3263 and junior standing or C.I. Application of case methodology to advanced topics in restaurant and food service management. Fall, Spring.

Advanced Hotel Development:
HFT 4464, HFT 4473, and C.I. Hotel development practices, risk management, and other investment decision factors. Occasional.

Restaurant Brand Management:

Case Studies in Multi-Unit Restaurant Management:
PR: HFT 3263 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry. Occasional.

Restaurants:
HFT 3269, HFT 3270, HFT 3444, HFT 3603 and Senior Standing. Provides the advanced student with firsthand knowledge of the day-to-day operations of a hotel property. Reconnoiters conflicts between theory and practice in a real-life hotel. Occasional.

Case Studies in Restaurant Management:
PR: HFT 3263 and junior standing or C.I. Application of case methodology to advanced topics in restaurant and food service management. Fall, Spring.

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.

Resort Management:
PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques in the management of resorts. Occasional.

Development of Vacation Ownership Resort:
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.

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.

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.

Training and Employee Performance in the Foodservice Industry:
PR: HFT 2220; HFT 3540; HFT 4343; HFT 4344; HFT 4345; HFT 4346; HFT 4347; 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.

Hospitality Communications:
PR: HFT 1000; HFT 2220; FSS 2212C; HFT 2254; HFT 2290; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3450. Communication exchanges in the hospitality industry for effective presentation, conflict resolution, and report writing. Emphasis on interdepartmental dependence by managers in hospitality enterprises in the areas of writing, reading, speaking, and listening. Fall, Spring.

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.

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.

Hospitality Facilities Planning and Design:
PR: HFT 3263 and junior standing or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. Odd Fall.

Golf & Club Facility Design:
PR: HFT 4277. Golf course and golf facility design from a functional perspective and from a perspective of form. Occasional.

Advanced Trade Line 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.

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.

Financial Analysis for Restaurant Managers:
PR: HFT 3401, 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.

Hospitality Industry Auditing:
PR: HFT 4341 Hospitality Industry Managerial Accounting. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Occasional.

Vacation Ownership Reservations and Database Systems:
PR: HFT 1000, HFT 3273, HFT 4522, HFT 4277. Tactics and strategies necessary for owner exchange, information transmission, and financial reporting. Occasional.

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.

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.

Hospitality Industry Revenue Management:
PR: HFT 2254 and HFT 3431. Revenue management techniques in hospitality organizations which include capacity management, revenue forecasting, discounting, overbooking and rate management. Fall, Spring.

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.

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.

Managing the Employee Experience in the Theme Park and Attraction Industry:
PR: HFT 3466 and junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall, Fall.
Course will introduce the contractual, financial, and practice functioning of long-term care administration. Covers long-term care providers, interaction in long-term care and planning of health services. Fall, Spring.


HSA 4222 HPA-HP 3(3,0) Long Term Care and Administration: PR: HSA major and Sophomore standing, or C.I. Organization and functioning of long-term care administration. Covers long-term care providers, interaction in long-term care continuum, managing long-term care and future issues. Even Fall, Spring.

HSA 4340 HPA-HP 3(3,0) Health Care Economics: PR: HSA 3111; ECO 2023, or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers behaviors in the delivery of health services. Fall, Spring.

HSA 4409 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 4500 HPA-HP 3(3,0) Organization & Management for Health Agencies I: PR: HSA 3111 or admitted to HIM program. General description and analysis of the management and organization of a variety of healthcare organizations including hospitals, long term care facilities and medical group practices. Fall, Spring.

HSA 4505 HPA-HP 3(3,0) Health Care Automation: PR: HSA 3111; CGS 2100C, or C.G.S 1060C, or C.I. Analysis and design of computerized systems for health data and health administration. Fall, Spring.

HSA 4650 HPA-HP 3(3,0) Health Services Administration Internship: PR: 2.5 UCF GPA, 90 overall credit hours, approval of the Internship Director. Administrative experience in an approved health care organization. Fall, Spring.

HSA 4701 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 3432 HPA-HP 3(3,0) Occupational Safety for the Health Care Professionals: PR: ZOO 3733C and PCB 3701C. Issues surrounding the health care environment and the risks associated with working there. Fall, Spring.

HSC 3557 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-HP 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 4001 HPA-HP 3(3,0) Professional Development in Health Professions: PR: ENC 1102 and Junior Standing. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements. Fall, Spring.

HSC 4158 HPA-HP 3(3,0) Medical Pharmacology I: PR: BSC 2010C and admission to Cardiopulmonary Sciences program, or C.I General pharmacological principles such as regulations, prescriptions, routes of administration, drug action mechanisms, indications/contraindications, and the side effects of cardiopulmonary drug classes. Fall.

HSC 4159 HPA-HP 2(2,0) Medical Pharmacology II: PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes inotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists. Spring.

HSC 4201 HPA-HP 3(3,0) Community Health: PR: ENC 1102 and Junior Standing, or C.I. Historical, sociocultural and economic factors in community health; current community health problems; interphase of governmental, voluntary and private agencies. Fall, Spring.

HSC 4243 HPA-HP 3(3,0) Analysis of Instruction in Health Professions: Development of teaching aids, audiovisuals, learning pack- ets. Course development, quality improvement strategies, 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 4556 HPA-HP 3(3,0) Pathophysiology II: PR: PCB 3703C and ZOO 3733C. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the digestive, hepatobiliary, nervous, and endocrine systems. Fall, Spring.

HSC 4937 HPA-HP 3(3,0) Pathophysiology III: PR: PCB 3703C and ZOO 3733C. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathology, medical terminology, and the concepts of disease and injury. Fall, Spring.

HSC 5060 HPA-HP 3(3,0) Pharmacology I: PR: HSC 3001C. Study of the profession of health sciences, including professional issues and responsibilities. Fall, Spring.

HSC 5061 HPA-HP 3(3,0) Pharmacology II: PR: HSC 3001C. Study of the profession of health sciences, including professional issues and responsibilities. Fall, Spring.

HSC 5062 HPA-HP 3(3,0) Pharmacology III: PR: HSC 3001C. Study of the profession of health sciences, including professional issues and responsibilities. Fall, Spring.

HSC 5063 HPA-HP 3(3,0) Pharmacology IV: PR: HSC 3001C. Study of the profession of health sciences, including professional issues and responsibilities. Fall, Spring.

HSC 5064 HPA-HP 3(3,0) Pharmacology V: PR: HSC 3001C. Study of the profession of health sciences, including professional issues and responsibilities. Fall, Spring.

HSC 5065 HPA-HP 3(3,0) Pharmacology VI: PR: HSC 3001C. Study of the profession of health sciences, including professional issues and responsibilities. Fall, Spring.

HSC 5066 HPA-HP 3(3,0) Pharmacology VII: PR: HSC 3001C. Study of the profession of health sciences, including professional issues and responsibilities. Fall, Spring.

HSC 5067 HPA-HP 3(3,0) Pharmacology VIII: PR: HSC 3001C. Study of the profession of health sciences, including professional issues and responsibilities. Fall, Spring.

HSC 5068 HPA-HP 3(3,0) Pharmacology IX: PR: HSC 3001C. Study of the profession of health sciences, including professional issues and responsibilities. Fall, Spring.

HSC 5069 HPA-HP 3(3,0) Pharmacology X: PR: HSC 3001C. Study of the profession of health sciences, including professional issues and responsibilities. Fall, Spring.

HSC 5070 HPA-HP 3(3,0) Pharmacology XI: PR: HSC 3001C. Study of the profession of health sciences, including professional issues and responsibilities. Fall, Spring.

HSC 5071 HPA-HP 3(3,0) Pharmacology XII: PR: HSC 3001C. Study of the profession of health sciences, including professional issues and responsibilities. Fall, Spring.
UCF Courses and Descriptions


IDH 1921H BHC-HON 2(2,0) Honors Symposium II: PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.

IDH 1923H BHC-HON 2(2,0) Honors Foundational 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.

IDH 3600H CAH-PHIL 3(3,0) Honors Case Studies in Ethics: PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to interdisciplinary problems and will participate in team debates. With Honors credit. Fall.

IDS 1040C COS-COMM 2(1,0) 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 191C, EGN 1036C, EDG 1005, or EDF 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

IDS 3150 UGST-INTERDISC 3(3,0) Foundations of Environmental Studies: PR: Junior standing and either IDS 3334 or C.I. A comparison of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3180 HPA-PUB 3(3,0) Civic Engagement: PR: Junior standing and either PAB 3080 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. Even Fall, Even Spring.

IDS 3333 UGST-INTERDISC 3(3,0) World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economics, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3334 CAH-HIST 3(3,0) Topics in Latino Studies: PR: ENC 1102. Multi-disciplinary course exploring various topics pertaining to Latinos in the U.S. Occasional.

IDS 3933 UGST-INTERDISC 3(3,0) Cornerstone Experience: PR: ENC 1102. Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall, Spring.

IDS 4156 UGST-INTERDISC 3(3,0) Solving Environmental Problems: PR: IDS 3150, ECP 4063, GIS 3043C, GIS 4303C and FUP 3263, 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, with emphasis on recent developments in energy transitions, and sustainability, with seminars and discussions 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) Latino Artistic Expressions: PR: IDS 3334 or C.I. Latino culture as represented by the Arts in the United States. Odd Spring.

IDS 4934 UGST-INTERDISC 3(3,0) Capstone Experience: PR: IDS 3933, Junior standing, and Interdisciplinary Studies major, or C.I. Student exhibition 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 4935 COS-SOC 3(3,0) Multidisciplinary Research Methods: PR: McNair Scholar and Junior Standing. Research methods of various disciplines designed for McNair Program Scholars. Occasional.

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-IEMS 3(3,0) 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 science applications and software. Fall.

IDS 5719 COS-PSYCH 3(3,0) Quantitative 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) Research Methods in Cognitive Sciences: PR: Permission to graduate certificate in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.

IDS 5936 CAH-PHIL 3(3,0) Topics in Cognitive Sciences: PR: Admission to graduate certificate 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.

INP 3004C COS-PSYCH 3(3,2) Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Industrial/Organizational Psychology: PR: PSY 2012 and consent of Honors. Psychological principles and theories applicable to problems in industrial organizations. Fall.

INP 3004H COS-PSYCH 3(3,0) Honors Industrial/Organizational Psychology: PR: PSY 2012 and consent of Honors. Psychological principles and theories applicable to problems in industrial organizations. With Honors content. Occasional.

INP 3141C COS-PSYCH 1-3(3-0-9) Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or education-related settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. Fall, Spring.

INP 3591 COS-PSYCH 3(0,10) Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INP 4252 COS-PSYCH 3(3,0) Advanced Industrial Psychology: PR: INP 3004C and PSY 3213C. Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, work design, and work environment. Occasional.

INP 4313 COS-PSYCH 3(3,0) Organizational Psychology: PR: INP 3004C. Application of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, inter-group behavior, and organization development. Occasional.

INP 4380 COS-PSYCH 3(3,0) Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups from social and applied psychology perspectives. Occasional.

INP 5825 COS-PSYCH 3(3,0) Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.

INR 2002 COS-POLS 3(3,0) International Relations-Theory and Practice: Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.

INR 3016 COS-POLS 3(3,0) Global Political Issues: PR: POS 2041 or C.I. Contemporary global political topics from political development and income gap to gender issues and environmental challenges. Occasional.


INR 3253 COS-POLS 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.

INR 4011 COS-POLS 3(3,0) Politics of Globalization: PR: INR 2002 or POS 2041 or C.I. Major causes and consequences of globalization. Occasional.

INR 4030 COS-POLS 3(3,0) Diplomacy: PR: POS 2041, Junior standing or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. Spring.


INR 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.
INR 4054 COS-POLS 3(3,0)
Global Politics of Energy: PR: POS 2041 or INR 2002 or C.I. International dimensions of global energy policy within developed and underdeveloped countries. Occasional.

INR 4060 COS-POLS 3(3,0)
Causes of War: PR: POS 2041 or INR 2002 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict. Fall.

INR 4063 COS-POLS 3(3,0)
The Cold War: PR: POS 2002 or C.I. Policies of U.S.-Soviet relations emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. Occasional.

INR 4064 COS-POLS 3(3,0)
Changing Nature of War: PR: POS 2041 or C.I. The changing nature of war in light of significant changes in technology and international politics. Occasional.

INR 4074 COS-POLS 3(3,0)

INR 4075 COS-POLS 3(3,0)

INR 4076 COS-POLS 3(3,0)

INR 4084 COS-POLS 3(3,0)

INR 4085 COS-POLS 3(3,0)

INR 4102 COS-POLS 3(3,0)
American Foreign Policy: Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. Odd Fall.

INR 4104 COS-POLS 3(3,0)
Topics and Cases in American Foreign Policy: PR: POS 2041, Jr. standing or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.

INR 4114 COS-POLS 3(3,0)
American Security Policy: PR: POS 2041, Junior standing, or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. Occasional.

INR 4115 COS-POLS 3(3,0)
Strategic Weapons and Arms Control: Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.

INR 4224 COS-POLS 3(3,0)
Contemporary International Politics of Asia: Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.

INR 4225 COS-POLS 3(3,0)
The Vietnam War: Background of events leading to America’s involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.
JST 3312H CAH-JUD  3(3,0)

JST 3401 CAH-JUD  3(3,0)
The Jewish People I: Introduction survey of the history and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. Fall.

JST 3402 CAH-JUD  3(3,0)
The Jewish People II: The life and history of the Jews in the medieval and modern worlds. Spring.

JST 3415 CAH-JUD  3(3,0)

JST 3424 CAH-JUD  3(3,0)
Biblical Archaeology: PR: ENC 1102. Examines archaeological excavations in Israel and the ancient Near East to shed light on events and stories recorded in the Bible. Occasional.

JST 3450 CAH-JUD  3(3,0)
Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel. Occasional.

JST 3481 CAH-JUD  3(3,0)
20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Solovechik, within the historical context of European immigration to the U.S. Occasional.

JST 3550 CAH-JUD  3(3,0)
Introduction of Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and other leaders of the Jewish Enlightenment. Occasional.

JST 3551 CAH-JUD  3(3,0)

JST 3620 CAH-JUD  3(3,0)

JST 3701 CAH-JUD  3(3,0)

JST 3751 CAH-JUD  3(3,0)

JST 3803 CAH-JUD  3(3,0)
The Israeli Experience in Short Stories: PR: ENC 1102. The Israeli experience in contemporary short stories. Themes include Judaism - Past & Present; War & Peace; Society; the Holocaust; the Kibbutz and Israeli reality. Occasional.

JST 3810 CAH-JUD  3(3,0)
LAS 3101 CAH-LAS 3(3,0) Latin American Popular Culture: PR: SPN 1120C and SPN 1121C. Examines folklore and digital media of Latin American culture with a special focus on Mexico, Puerto Rico, and Peru. Occasional.

LAS 4023 CAH-AAS 3(3,0) African Caribbean Experience: PR: Junior standing or C.I. Interdisciplinary study of the evolution of African Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. Occasional.

LAT 1120C CAH-LANG 4(3,1) Elementary Latin Language and Civilization I: introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.

LAT 1120H CAH-LANG 4(4,1) Honors Elementary Latin Language and Civilization I: PR: Permission of Honors. Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.


LDR 2001 UGST-INTERDISC 2(2,0) Fundamentals of Leadership: PR: Student enrolled in LEAD Scholars. Leadership Studies minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. Fall.


LDR 2262 UGST-INTERDISC 1(0,1) Focused Volunteer Community Service: Students will engage in volunteer experiences and reflect upon the value of those experiences. Graded S/U. Fall, Spring.

LDR 3215 UGST-INTERDISC 2(2,0) Leadership Through Service: An Advanced Leadership Experience: PR: LDR 2001 and LDR 2002. Theories, processes, and leadership role in social change will be explored, contemporary leadership theories and practices related to citizenship and civic engagement will be studied, and leadership will be practiced in various settings. Fall.

LDR 3950 UGST-INTERDISC 2(2,0) Leadership in Action: Capstone Experience for LEAD Scholars: PR: LDR 3215. Leadership theories and practices, including related principles and practices. Students will develop a professional portfolio, reflect on their course of study, practice public speaking, and articulate their leadership philosophy. Spring.

LIN 3010 CAH-ENG 3(3,0) Principles of Linguistics: PR: Grade of C (2.0) or better required in ENC 1102. An overview of the modern linguistic approach to language. Analytic methods of phonology, morphology, syntax. Brief systematic survey of dialectology, language acquisition, and semantics. Occasional.

LIN 3673 CAH-ENG 3(3,0) Grammar & Advanced Prose Style: PR: ENC 1102. Build on fundamental principles of grammatical correctness by learning and practicing the techniques that today's expert writers use to increase sentence clarity and elegance. Occasional.

LIN 3713 HPA-COM SC&DIS 3(3,0) Language Science: PR: or CR: SPA 3471. Language components, models of language production and comprehension, and theories of language development. Fall, Spring.

LIN 3716 HPA-COM SC&DIS 3(3,0) Language Development: PR: LIN 3713; CR: LIN 3716L. Spoken and written language development from infancy to adulthood. Fall, Spring.


LIN 4010 CAH-ENG 3(3,0) History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern, Fall. Spring.

LIN 4600 CAH-WRITE 3(3,0) Language and Society: PR: Grade of C (2.0) or better required in ENC 1102. Examines language and societal relationships, including the relationship of sociolinguistic variations to identity and culture. Occasional.

LIN 4615 CAH-ENG 3(3,0) African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinesics, proxemics, paralinguistics, and gender roles. Occasional.

LIN 4643 CAH-ENG 3(3,0) Cross Cultural Communication: PR: Junior standing or C, and C (2.0) or better required in ENC 1102. Styles of spoken, written, and nonverbal communication of selected cultural groups. Occasional.

LIN 4643H CAH-ENG 3(3,0) Honors Cross-Cultural Communication: PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors level content. Occasional.

LIN 4660 CAH-ENG 3(3,0) Linguistics and Literature: PR: Grade of C (2.0) or better required in LIN 3010 or C.I. Language study as an aid to understanding literature. Occasional.

LIN 4680 CAH-ENG 3(3,0) Modern English Grammar: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.

LIN 4711 HPA-COM SC&DIS 3(3,0) Language Analysis: PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing, and describing language across the lifespan. Fall, Spring.

LIN 4711L HPA-COM SC&DIS 1(0,1) Language Analysis Lab: PR: LIN 3716 and LIN 3717. CR: LIN 4710. Introduction to procedures for sampling, analyzing, and describing language samples across the lifespan. Graded S/U. Fall, Spring.

LIN 4801 CAH-ENG 3(3,0) Language and Meaning: PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.

LIN 5137 CAH-ENG 3(3,0) Linguistics: PR: Graduate status or senior standing. C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG 3(3,0) English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2000 CAH-ENG 3(3,0) Introduction to Literary Interpretation: PR: ENC 1102. Interpretation of drama, verse, conflict, characterization, point of view, rhetorical and poetic devices, figurative language, verse forms; application of critical approaches to selected works. Occasional.

LIT 2110 CAH-ENG 3(3,0) World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

LIT 2120 CAH-ENG 3(3,0) World Literature II: PR: ENC 1102. Readings from Molieres, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 2120H CAH-ENG 3(3,0) World Literature II - Honors: PR: Permission of Honors. Same as LIT 2120, with honors-level content. Occasional.

LIT 3082 CAH-ENG 3(3,0) Continental European Fiction Since 1900: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3192 CAH-ENG 3(3,0) Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture, in English. Occasional.

LIT 3192H CAH-ENG 3(3,0) Caribbean Literature - Honors: PR: Permission of Honors and ENC 1102 or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture, taught in English. Honors content. Occasional.

LIT 3202 CAH-ENG 3(3,0) Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

LIT 3313 CAH-ENG 3(3,0) Science Fiction: PR: ENC 1102. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.

LIT 3313H CAH-ENG 3(3,0) Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102 or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.

LIT 3381 CAH-ENG 3(3,0) Women Writers of Color: PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

LIT 3383 CAH-ENG 3(3,0) Women in Literature: PR: ENC 1102. Fiction, poetry, drama, and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG 3(3,0) Honors Women in Literature: PR: Permission of Honors and ENC 1102 or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Tom Morrisson, Adrienne Rich, Gwendolyn Brooks. Honors content. Occasional.

LIT 3394 CAH-ENG 3(3,0) Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.
UCF Courses and Descriptions

MAC 2311 COS-MATH  4(4,0) Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1144C with a “C” (2.0) or better and MAC 1144 with a grade of “C” (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and “C” (2.0) or better in MAC 1147 or MAC 1148, or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. Not open to students with credit for 2411. The “NC” grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH  4(4,0) Honors Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1144C with a “C” (2.0) or better and MAC 1144 with a grade of “C” (2.0) or better, or score of 3 or better on the Calculus AB Advanced Placement Exam, and consent of Honors. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. Not open to students with credit for 2411. The “NC” grading policy applies to this course. With Honors consent. Fall, Spring.

MAC 2312 COS-MATH  4(4,0) Calculus with Analytic Geometry II: PR: Grade of “C” (2.0) or better in MAC 2311, or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Differentiation and integration of inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2312H COS-MATH  4(4,0) Calculus with Analytic Geometry II: Honors: PR: Grade of “C” (2.0) or better in MAC 2311, or score of 3 or better on the Calculus AB Advanced Placement Exam, and permission of Honors. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. With Honors consent. Fall, Spring.

MAC 2313 COS-MATH  4(4,0) Calculus with Analytic Geometry III: PR: Grade of “C” (2.0) or better in MAC 2312, or score of 3 or better on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stoke’s Theorem. Fall, Spring.

MAC 2313H COS-MATH  4(4,0) Calculus with Analytic Geometry III: Honors: PR: Grade of “C” (2.0) or better in MAC 2312, or score of 3 or better on the Calculus BC Advanced Placement Exam, and permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stoke’s Theorem. With Honors consent. Fall, Spring.

MAD 2104 COS-MATH  3(3,0) Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAD 2402 COS-MATH  3(3,0) Applied Combinatorics: PR: MAC 2312, and either MHF 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations, multisets; recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. Fall.

MAD 4301 COS-MATH  3(3,0) Graph Theory: PR: MAC 2313 and MHF 3302, or C.I. Graph theory; isomorphism; connectivity; traversability, matchings, factorizations; planarity, colorings, and Ramsey theory. Fall, Spring.

MAD 5205 COS-MATH  3(3,0) Combinatorics and Graph Theory II: PR: MAD 4203, graduate status or senior standing, or C.I. Polya’s theory of counting; Latin squares and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications. Odd Spring.

MAE 2801 ED-TL&L  4(3,1) Elementary School Mathematics: PR: MAC 1105C or MHF 1108. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAE 4300 ED-CFCS  3(3,0) Math Curriculum Assessment I by Childhood: PR: EEC 4661, EEC 4207; CR: EEC 3940. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.

MAE 4326 ED-TL&L  4(3,0) How Children Learn Mathematics: PR: MAE 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning; evaluation of mathematical learning, and diagnostic techniques. Fall, Spring. M&S fee $10.00

MAE 4360 ED-TL&L  4(3,2) Mathematics Instructional Analysis: PR: EDG 4323. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.


MAE 5327 ED-TL&L  3(3,0) Teaching Middle School Mathematics: PR: EDG 4205 or EDG 4206; C.I. Theory and practice of middle grades mathematics. Fall.

MAE 5338 ED-TL&L  3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 4232 or EDG 6236 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5933 COS-MATH  3(3,0) Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and issues of certification. Fall.

MAN 2021 BA-MAN  3(3,0) Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the management functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN  4(3,0) Management of Organizations: PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN  4(4,0) Honors Management of Organizations: PR: Junior standing and business major or minor, permission of Honors, ECO 2013, ECO 2023 and AGC 2071. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior, and control. Applicable to honors students. Occasional.

MAN 3301 BA-MAN  3(3,0) Management of Human Resources: PR: Junior standing and approved major or minor. MAN 3025. Provides students with a comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. Fall, Spring.


MAN 3354 BA-MAN  3(3,0) Employee Training for Non-Business Majors: PR: MAN 3025. Employee training needs and practices as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. Occasional.


MAN 4101 BA-MAN  3(3,0) Human Relations in Management: PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.


MAN 4310 BA-MAN  3(3,0) Human Resource Management Issues: PR: Management major, Junior standing, MAN 3301. An orientation-oriented course to give students in the area experiences generally reserved for practitioners in the field of human resource management and labor relations. Odd Spring.

MAN 4320 BA-MAN  3(3,0) Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4330 BA-MAN  3(3,0) Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. Fall, Odd Spring.

MAN 4350 BA-MAN  3(3,0) Training and Development: PR: Management major, MAN 3301. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4401 BA-MAN  3(3,0) Labor Relations Management: PR: Management major, Junior standing, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieve labor-management cooperation. Occasional.

MAN 4441 BA-MAN  3(3,0) Conflict Resolution and Negotiation: PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. Occasional.

MAN 4521 BA-MAN  3(3,0) Production Planning and Control: PR: Management major, MAN 3025. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4583 BA-MAN  3(3,0) Project Management: PR: GEB 3031 and MAN 3025. Foundations of project management in assorted business organizations (large/small; manufacturing/service; for profit/ not for profit). Covers all project phases from initiation to termination. Occasional.
MAN 4600 BA-MAN 3(3,0) International Management: PR: Approved major or minor, MAN 3023. Course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0) Business Ethics and Society: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today's complex political, social, economic and technological environment. Fall, Spring.

MAN 4720 BA-MAN 4(4,0) Strategic Management: PR: MAN 3025, MAR 3023, FIN 3403C and GEB 3031. Students assume a strategic view of organizations and integrate and apply material learned in a variety of business courses to modern organizational problems and opportunities. Fall, Spring.


MAN 4802 BA-MAN 3(3,0) Entrepreneurship: PR: EGP 3031 or (MAN 3025 and MAR 3023). Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing financial and developing a new venture. Fall, Spring.

MAN 4804 BA-MAN 3(3,0) Small Business Consulting: PR: 3.0 GPA and Business major in graduation term or C.I. 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(1.5,0) Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.


MAP 2302 COS-MATH 3(3,0) Differential Equations: PR: Grade of “C” (2.0) or better in MAC 2311. 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 2312, and permission of Honors. Methods of solution for first order equations. Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines. Occasional.

MAP 3482H COS-MATH 3(3,0) 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: COLLOQUIA AND PUBLIC TALKS: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 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 2302. 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 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 calculating 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 statistical and deterministic models. Fall.


MAP 5396 COS-MATH 3(3,0) Splines and Data Fitting: PR: MAS 3106, MAS 3107, and MAP 2302, and graduate status or senior standing or C.I. Univariate 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 4363, and graduate status or senior standing, or C.I. Equations of motion in inviscous and viscous fluids, elastic 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 produce students to a research area by presenting necessary background and 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: 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. 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) Professional Selling: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs. Fall, Spring.

MAR 3391 BA-MAR 3(3,0) Integrated Marketing Communications: PR: MAP 3203 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Writing and verbal communications skills applied to marketing settings. A significant portion of the course is devoted to the study of professional selling. Fall, Spring.
UCF Courses and Descriptions

MAR 3391H BA-MAR  3(3,0)
Honors Professional Selling: PR: MAR 3023 and consent of Honors, or C.I. Applied written and verbal commu-
nication 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. Aerial overview of the
sales management process. Emphasis on sales pro-
gram formulation and implementation. Fall, Spring.

MAR 3503 BA-MAR  3(3,0)
Consumer Behavior: PR: MAR 3023 with a grade
of C (2.0) or better and common program prerequisites
and appropriate Major or Minor. End user and business
customer buying behavior, building long-term customer
relationships, segmentation of markets and positioning
strategies. Fall, Spring.

MAR 3613 BA-MAR  3(3,0)
Marketing Analysis and Research: PR: MAR 3023 with a grade
of C (2.0) or better and Common Program Prerequisites and
appropriate Major or Minor and one of the following: STA 3023 with a grade of C (2.0) or better or
ECO 2601C with a grade of C (2.0) or better. Analysis tools and
their application to marketing problems and decision
making. Forecasting, financial analysis, and acquisition of
primary and secondary data through market research are emphasized.
Fall, Spring.

MAR 3641 BA-MAR  3(3,0)
Marketing Intelligence: PR: MAR 3023 with a grade of
C (2.0) or better and Common Program Prerequisites and
appropriate Major or Minor. Contemporary sources and
applications of information concerning external forces
impacting market decision making. Fall, Spring.

MAR 3721 BA-MAR  3(3,0)
Technology Applications in Marketing: PR: MAR 3023 with a grade of
C (2.0) or better and completion of General Program Prerequisites and
appropriate Major or Minor. Application of computer 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. Investigates strategy, policy
and the variables in international marketing decisions. Fall, Spring.

MAR 4231 BA-MAR  3(3,0)
Retailing Management: PR: MAR 3023 with a grade of
C (2.0) or better and Common Program Prerequisites and
appropriate Major or Minor. Analysis of the field of retailing.
Emphasis on planning for profit through management,
inventory control, etc. Occasional.

MAR 4413C BA-MAR  3(2,3)
MAR 4413C, common program prerequisites, approved
major or minor, and department consent. Advanced study of
selected contemporary strategic issues in selling and sales
generation. 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, includ-
ing team selling, negotiating, customer conflict manage-
ment, 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 with a grade of
C (2.0) or better and Common Program Prerequisites and
Marketing Major or Minor and MAR 3503 with a grade of
C (2.0) or better and MAR 3613 with a grade of C (2.0) or better.
Planning, organizing, implementing, monitoring and
controlling marketing programs to effectively compete in
dynamic and diverse business environments. Fall, Spring.

MAR 4804 BA-MAR  3(3,0)
Marketing Strategy: PR: MAR 3023 with a grade of
C (2.0) or better and Common Program Prerequisites and
Marketing Major or Minor and MAR 3503 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 and hospitality, sports and 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, applica-
tion approval, consent of department chair. Provides
student with supervised, market-related work experience in a
specific section. With Honors content. May be repeated for credit only
when course content is different. Occasional.

MAS 3105 COS-MATH  3(3,0)
Linear Algebra: PR: MHF 3302, MAS 3105, or C.I. Linear spaces, subspaces, linear
transformations, matrices, eigenvalues and eigenvectors,
Jordan forms, positive definite matrices, bilinear and quad-
ratric forms, functions of matrices. Even Fall.

MAS 4934 COS-MATH  3(3,0)
Topics in Algebra and Discrete Mathematics: PR: MAS 3108, MAS 4301, and MAD 4210 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: MAS 3108 or C.I. Linear equations, subspaces, linear
transformations, matrices, eigenvalues and eigenvectors,
Jordan forms, positive definite matrices, bilinear and quad-
ratric systems, functions of matrices. Even Fall.

MAS 5311 COS-MATH  3(3,0)
Abstract Algebra with Applications: PR: MAS 4301 or undergraduate abstract algebra, and graduate status or senior standing or C.I. Group actions, the class
equation, Sylow Theorems, polynomial 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 develop-
ment of algebra skills. Operations with polynomial, rational
expressions, radicals, rational exponents, linear and quad-
ratric equations, linear inequalities. Fall.

MAT 5712 COS-MATH  3(3,0)
Scientific Computing: PR: MAC 2313, MAC 2322,
MAE 3105, or C.I. Matlab fundamentals, computer arithmetic,
tic, nonlinear equations, polynomial interpolation, divided;
differences, splines, curve fitting, least-squares method,
numerical differentiation and Integration. Even Fall.

MCB 1310 COM-M&M  3(3,0)
Introduction to Biotechnology and Genetic Engineering: Introduction to theories, laws, principles,
foundations, scientific methods of genetic engineering &
biochemistry and their applications in agriculture, environ-
mental control and health. Fall.

MCB 2004C COM-M&M  4(3,2)
Microbiology for Health Professionals: PR:
BSC 2101C, CHM 1032 or CHM 2045C. A survey of micro-
biology for the health professional. Spring. M&S fee $45.00

MCB 3020C COM-M&M  5(3,4)
General Microbiology: PR: BSC 2101C, CHM 2046,
or CR: CHM 2210. Fundamentals of microbiology, evaluat-
ing microbial structure and function, metabolism, immunity;
genetics, virology environmental control, ecology, patho-
geny; and laboratory techniques. Fall, Spring. M&S fee $45.00

MCB 3020I COM-M&M  5(3,5)
General Microbiology Honors: PR: BSC 2101C, CHM 2046 or CR: CHM 2210, and consent of Honors.
Same as MCB 3020C with enrichment and further develop-
ment of analytical skills in a separate laboratory and discus-
sion section. With Honors consent. Fall.

MCB 3020I COM-M&M  3(3,0)
Principles of Infectious Disease: PR: MCB 3020C. Introduction to host-pathogen interactions and
microbial pathogenesis, with topics covering eukaryotic
pathogens, virology, prokaryotic structure, pathogen identi-
fication, epidemiology, immunity, vaccines and antimicro-
biotics, and virulence mechanisms. Occasional.

MCB 3203 COM-M&M  3(3,0)
Pathogenic Microbiology: PR: MCB 3020C or C.I. Microorganisms producing disease in man and other
animals; means of transmission; protection against disease.
Spring.

MCB 3203L COM-M&M  1(0,3)
Pathogenic Microbiology Lab: CR: MCB 3203. Laboratory investigation of pathogenic microorganisms,
with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee $45.00

MCB 3404 COM-M&M  3(3,0)
Bacterial Genetics and Physiology: PR: PIBS 3522. Basic principles of microbial genetic analysis and
emphasizing how, microbial genetic approaches are used to
understand fundamental physiological processes in
bacteria. Spring.
Discussion of current theories of the infectious process and

Methods in Biotechnology:

MCB 4721 COM-M&M 3(3,0)

Biotechnology and Genetic Engineering Seminar:

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,

PR: Graduate standing or C.I. An in-depth overview of the fundamental aspects of current concerns in modern virology including HIV, tumor viruses, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

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PR: Graduate standing or C.I.

PR: MCB 3020C 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 indepth.

PR: MCB 3020C 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 indepth.

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UCF Courses and Descriptions


MLS 4830C COM-M&M 4(4,9) Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MLS 4625, MLS 4650. Clinical instruction and practice in the clinical laboratory. Case studies, critical thinking, hands on practice and practice on both the student lab and affiliate. Fall. M&S fee $15.00

MLS 4831C COM-M&M 4(4,8) Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4555C. Advanced study of principles of immunohematology. Application and performance of techniques to solve problems in blood banking will be included. Fall. M&S fee $15.00

MLS 4832C COM-M&M 4(4,8) Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 4830. Clinical application of modern bacteriological and chemical procedures with clinical specimens to include mycology and appropriate quality control. Clinical practice in both student lab and affiliate. Fall. M&S fee $15.00

MLS 4833C COM-M&M 4(4,8) Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4830. Clinical application of modern bacteriological procedures with clinical specimens to include mycology and virology and appropriate quality control. Clinical practice in both student lab and affiliate. Fall. M&S fee $15.00

MLS 4834C COM-M&M 4(4,8) Advanced Instrumentation: PR: Admission to the MLS program. Case study instruction and examination review of techniques and practice of technologies impacting the clinical laboratory to include flow cytometry, PCR, LIS, robotics. Case studies will be a fundamental part of this course. Occasional.

MLS 4910 COM-M&M 1(1,0) Introduction to Clinical Research: PR: MLS 3200C, MLS 4550, MLS 4555. Introduces MLS students to different types of research within the clinical setting. Spring.


MMC 2004 COS-COMM 3(3,0) Mass Media: Introduction to the nation’s mass media, including newspapers, radio, television, magazines, advertising, and public relations. Fall, Spring.

MMC 3200 COS-COMM 3(3,0) Mass Communication Law: PR: AMH 2100 or AMH 2020 or POS 2041. Legal rights and responsibilities of the mass media. Fall, Spring.

MMC 3420 COS-COMM 3(3,0) Mass Media Research Methods: PR: Communication majors. Theory and methods of research used by media professionals and academics, focusing on radio-television and advertising-public relations research. Fall, Spring.

MMC 4263 COS-COMM 3(3,0) New Media Technologies: PR: Majors only. RTV 3200. An examination of the technologies impacting the communications media environment and society. Occasional.

MMC 4300 COS-COMM 3(3,0) International Media: PR: Junior standing or C.I. The student will analyze different communication systems from around the world. There will be at least six case studies from any of these areas - Asia, Latin American, Western Europe, Middle East, Africa. Occasional.

MMC 4411 COS-COMM 3(3,0) Ad & Public Relations: PR: As PR majors only and ADV 3008, PUR 4000, PUR 3100 or ADV 4101. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. Even Fall, Odd Spring.

MMC 4602 COS-COMM 3(3,0) Contemporary Media Issues: PR: RTV 3007 or C.I. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media’s relationship with government. Even Spring.

MUC 2101C CAH-MUSIC 1(1,1) Leadership and Teamwork: PR: Ad-PR majors only and ADV 2041. Occasional.

MUC 2102C CAH-MUSIC 1(1,1) Leadership and Management: PR: MUC 2101C. Focuses on self-development guided by knowledge of self and group processes; challenges current beliefs, knowledge and skills. Fall.

MUC 2103C CAH-MUSIC 1(1,1) Communication in Mass Media: PR: MUC 2102C. Focuses on self-development guided by knowledge of self and group processes; social skills, the process of communication, and current practice and trends. Fall.

MUC 2211 ED-CFCS 3(3,0) Early Childhood Music and Movement: PR: Junior standing or C.I. Vocal function, anatomy, and psychological methodology with applications for K-2 teaching. Odd Spring.

MUC 2240 CAH-MUSIC 1(0,2) Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and psychological methodology with applications for K-12 teaching. Odd Spring.

MUC 2460 CAH-MUSIC 1(0,2) Woodwind Techniques I: PR: MUC 2470 or C.I. Class instruction in woodwind playing and technical techniques. Fall.

MUC 2470 CAH-MUSIC 1(0,2) Percussion Techniques: PR: MUC 2460 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today’s instrumental music teachers. Odd Spring. M&S fee $35.00

MUC 2471 CAH-MUSIC 1(1,1) Percussion Techniques II: PR: MUC 2470 or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times. Occasional.

MUC 3105C CAH-MUSIC 3(1,1) Composition II: PR: MUC 3104C and competence determined by faculty jury. May be repeated for credit. Fall, Spring.

MUC 3106C CAH-MUSIC 4(1,1) Composition III: PR: MUC 3105C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4950 CAH-MUSIC 0(0,0) Composition Recital: CR: MUC 4106C. Culminating public concert of works written while studying Composition IV-H. Graded S/U. Odd Fall.

MUC 5112 CAH-MUSIC 2(1,0) Composition V: PR: Graduate standing in music education or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times.

MUC 5445 CAH-MUSIC 3(3,0) Electroacoustic Music Composition: PR: MUS 2300C and MUC 3104C or C.I. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. Occasional.

MUC 2104 CAH-MUSIC 2(2,0) Introduction to Music Education: PR: None. An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. Fall.

MUC 2211 ED-CFCS 3(3,0) Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children. Occasional.

MUC 2346 CAH-MUSIC 1(0,2) Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and psychological methodology with applications for K-12 teaching. Odd Spring.

MUC 2440 CAH-MUSIC 1(0,2) String Techniques: PR: MUC 2470 major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. Spring. M&S fee $30.00

MUC 2450 CAH-MUSIC 1(1,0) Woodwind Techniques I: PR: MUC 2470 major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.

MUC 2460 CAH-MUSIC 1(0,2) Brass Techniques: PR: MUC 2450 major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.

MUC 2470 CAH-MUSIC 1(0,2) Percussion Techniques: PR: MUC 2460 major, junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring. M&S fee $35.00

MUC 2471 CAH-MUSIC 1(1,1) Percussion Techniques II: PR: MUC 2470 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today’s instrumental music teachers. Odd Spring. M&S fee $35.00

MUC 3104C CAH-MUSIC 3(1,1) Composition I: PR: Open to qualified majors and non-music majors with C.I. Creative work in small forms. May be repeated for credit. Fall, 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 2454, major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 3461 CAH-MUSIC 1(1,1)
Brass Techniques II: PR: MUE 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.

MUE 3490 CAH-MUSIC 1(1,0)

MUE 3691 CAH-MUSIC 2(2,0)
Technology in Music Education: PR: MUE 20401, or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring. MIS fee $2.00

MUE 3942 CAH-MUSIC 3(3,0)
Music Internship I: PR: MUE 4311, MUE 3333, EDG 4410, TSL 4080, EDG 4553 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, MUED major. Organization and administration of instruction for comprehensive music education, K-6, instructional processes, techniques, and materials for elementary music education. Fall.

MUE 4330 ED-TLRL 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 4337 CAH-MUSIC 3(3,0)

MUE 4350 ED-TLRL 2-3(2-3,0)

MUE 4354 ED-TLRL 3(3,0)

MUE 4393 CAH-MUSIC 2(2,0)
Music and Students with Special Needs: PR: MUE 2040 or C.I. Pedagogy of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.

MUE 4394 CAH-MUSIC 1(1,0)

MUE 4441 CAH-MUSIC 3(3,0)

MUE 4943 CAH-MUSIC 12(12,0)

MUE 5348C CAH-MUSIC 4(4,0)

MUE 5921 CAH-MUSIC 2(2,0)
Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on experience in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUG 3104 CAH-MUSIC 2(1,1)
Basic Conducting: PR: MUE 112 or C.I. Fundamental techniques and practice in conducting. Fall.


MUG 4103C CAH-MUSIC 2(1,1)
Advanced Conducting: PR: C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building, interpretation of scores, study and performance of selected works. May be repeated for credit. Occasional.

MUH 2017 CAH-MUSIC 3(3,0)

MUH 2017H CAH-MUSIC 3(3,0)
Honors Survey of Rock Music: PR: Consent of Honors. Rock music, 1500s to present, with emphasis on cultural and musical meaning. With Honors content. Even Fall.

MUH 2019 CAH-MUSIC 3(3,0)
American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. Fall, Spring.

MUH 2071C CAH-MUSIC 1(0,1)
World Music Survey and Performance Laboratory: PR: MUE 1122 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. Occasional.

MUH 3211 CAH-MUSIC 3(3,0)
Music History and Literature I: PR: MUL 2040 and MUL 1122. History of Western European art music from antiquity to 1750. Fall, Spring.

MUH 3212 CAH-MUSIC 3(3,0)
Music History and Literature II: PR: MUL 2040 and MUL 1122. History of Western European and American art music from 1750 to present day. Fall, Spring.

MUH 4218 CAH-MUSIC 1(1,0)

MUH 4322 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: MUE 3211 and MUE 3212 or C.I. Music and culture of Western Europe in the era c. 450-1600. Even Fall.

MUH 4341 CAH-MUSIC 3(3,0)

MUH 4351 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: MUE 3211 and MUE 3212 or C.I. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.

MUH 4361 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: MUE 3211 and MUE 3212 with grades of "C," 2.0, or higher in each. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC 3(3,0)
Music Since 1900: PR: MUE 3211, MUE 3212, or C.I. Western art music since 1900. Odd Spring.

MUH 4814 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: MUL 3171 and MUL 2016, or C.I. Historical style periods and master artists in jazz music. Odd Spring.

MUH 5326 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 450-1600. Occasional.

MUH 5345 CAH-MUSIC 3(3,0)
Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Even Spring.

MUH 5356 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. Occasional.

MUH 5365 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: Graduate standing in Music or C.I. Western Art Music of the 19th Century. Odd Fall.

MUH 5375 CAH-MUSIC 3(3,0)
Music Since 1900: PR: Graduate standing in Music Education or C.I. Music and culture of Western and American art music from c. 1900 to the present. Occasional.

MUH 5665 CAH-MUSIC 3(3,0)
Music of the Baroque: PR: Graduate standing in Music or C.I. An in-depth examination of Western European opera, from its origins around 1600 until the present day. Even Spring.

MUH 5816 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: Graduate standing or C.I. Advanced study of historical style periods and master artists in jazz music. Odd Fall.

MUL 2010 CAH-MUSIC 3(2,1)
Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.
### UCF Courses and Descriptions

**MUL 2014 CAH-MUSIC 3(3,0)**
- **Introduction to Music History and Literature:** PR: Music History or C.I. Musical repertoires 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 3381 CAH-MUSIC 3(3,0)**
- **Contemporary Popular Music:** PR: MUL 2010 or MUL 2110 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. Spring.

**MUL 3400 CAH-MUSIC 2(1,1)**
- **Piano Literature I:** PR: Major in Music or C.I. Survey of stringed keyboard literature from the 16th century to the present, with emphasis on technical, formal and performance problems. Odd Fall.

**MUL 4438 CAH-MUSIC 2(0,0)**
- **Guitar Literature and Pedagogy:** PR: Graduate University Chorus. Important literature written for string instruments, and basic concepts and techniques fundamental to teaching woodwind instruments. As well as the study of the basic concepts and techniques fundamental to teaching woodwind instruments. Odd Fall.

**MUL 4443 CAH-MUSIC 3(3,0)**
- **Brass Literature and Pedagogy:** PR: Graduate University Chorus. Important literature written for brass instruments, and basic concepts and techniques to teach brass. Odd Spring.

**MUL 4444 CAH-MUSIC 3(3,0)**
- **Woodwind Literature and Pedagogy:** PR: Music major and MUL 2014. Important literature written for woodwind instruments, and basic concepts and techniques to teach woodwinds. Odd Spring.

**MUL 5215 CAH-MUSIC 3(3,0)**

**MUL 5445 CAH-MUSIC 3(3,0)**
- **Brass Literature and Pedagogy:** PR: Graduate University Chorus. Important literature written for brass instruments, and basic concepts and techniques to teach brass. Odd Spring.

**MUL 5806 CAH-MUSIC 3(3,0)**
- **Performing Arts Management:** PR: Graduate status or senior standing or C.I. Structure of nonprofit performing arts organization (PAOs), examining the fundamental elements of administration, audience development, marketing, and fund-raising. Spring.

**MUN 2442 CAH-MUSIC 1(1,0)**
- **Percussion/Mallet Ensemble:** PR: C.I. Preparation and performance of music for percussion with mallets. May be repeated for credit. Fall. M&S fee $30.00

**MUN 3113 CAH-MUSIC 2(0,8)**
- **Marching Band:** PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit. Fall. M&S fee $36.54

**MUN 3123 CAH-MUSIC 1(0,3)**
- **Concert Band:** PR: Open to all students with audition. Study and performance of music for large ensembles. May be repeated for credit. Fall, Spring, M&S fee $20.00

**MUN 3143 CAH-MUSIC 1(0,4)**
- **Wind Ensemble:** PR: Open to all students by audition. Study and performance of music for wind ensemble and band. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3283 CAH-MUSIC 1(0,5)**
- **Symphony Orchestra:** PR: Audition. Open to all students by audition. Rehearsal and performance of works from the symphonic repertoire. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3313 CAH-MUSIC 1(3,0)**
- **University Choir:** PR: C.I. Open to all students by audition. Study and performance of large ensemble music. Possible tours. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3323 CAH-MUSIC 1(0,3)**
- **Women’s Chorus:** PR: Audition and C.I. Study and performance of music for women’s voices. Open to all students. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3343 CAH-MUSIC 1(0,3)**
- **Madrigal Singers:** PR: C.I. Open to all students by audition. Extra rehearsals and Madrigal Dinners required. Tours. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3423 CAH-MUSIC 1(0,2)**
- **Woodwind Ensemble:** PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3426 CAH-MUSIC 1(1,0)**
- **Symphony Orchestra:** PR: Students must pass an audition in front of the instructor. An in-depth study and performance of music written for an ensemble comprised of all string instruments. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $20.00

**MUN 3427 CAH-MUSIC 1(1,0)**
- **Flute Ensemble:** PR: Student must pass an audition in front of the instructor. Study and performance of music written for an ensemble comprised of all flutes. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $20.00

**MUN 3431L CAH-MUSIC 1(0,2)**
- **Brass Quintet:** PR: Audition and Consent of Instructor. Rehearsal and performance of music for brass quintet. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00

**MUN 3433 CAH-MUSIC 1(0,2)**
- **Brass Ensemble:** PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

**MUN 3437 CAH-MUSIC 1(1,0)**
- **Trumpet Ensemble:** PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. Occasional. M&S fee $20.00

**MUN 3443 CAH-MUSIC 1(0,2)**
- **Percussion Ensemble:** PR: C.I. Open to all students. Study and performance of music for small 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 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 pre-classical music. 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: C.I. Study and performance of pre-classical music. May be repeated for credit. Fall, Spring. M&S fee $5.00

**MUN 5125 CAH-MUSIC 1(0,3)**
- **Concert Band:** PR: Open to all graduate students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 4 times. 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 $25.00

**MUN 5215 CAH-MUSIC 1(0,5)**
- **Symphony Orchestra:** PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. 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 choral 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 5368L CAH-MUSIC 1(0,3)**
- **Graduate Madrigal Singers:** PR: Graduate standing in Music Education and C.I. Study of varied literature for small vocal ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00

**MUN 5385L CAH-MUSIC 1(0,3)**
- **Graduate University Chorus:** PR: Graduate standing in Music Education and C.I. Study and performance of large ensemble music. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00
Jazz small group music. May be used in the degree program a maximum of 4 times. Fall, Spring.

Music Business and Industry: PR: MUS 2360C or C.I. Today's music industry copyright, publishing, contracts and licensing. Odd Spring.


Health and Wellness for the Performing Musician: PR: C.I. and Junior standing. Special topics of study and research as determined by student/faculty consultation. May be repeated for credit. Occasional.

Directed Experience: PR: C.I. Self-designed project, completed under faculty supervision, that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. Occasional.

Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. Occasional.


Music Theory and Musicianship III: PR: MUSIC 2126 or C.I. Continuation of MUSIC 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Fall.


Orchestration: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

Analytical Approaches to Musical Rhythm: PR: MUS 2127 or equivalent. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm, rhythm in dance, performance, and non-Western music. Occasional.

Recital Performance I: PR: MUSIC 2170 or C.I. Study and performance of music for voice or solo instrument. May be used in the degree program a maximum of 5 times.

Wellness for the Performing Musician: PR: Graduate standing or senior standing, or C.I. The emergence of technology in music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

Directed Experience: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trumpet. Intended for non-music majors. May be repeated for credit. Fall, Spring.

Flexible instrumentation to meet student needs. May be repeated for credit. Odd Fall.

MUT 5381 CAH-MUSIC 3(3,0)
Arranging and Composing Music: PR: Satisfactionary 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. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

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 10(1)
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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 I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1412 CAH-MUSIC 2(1,1)
French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1413 CAH-MUSIC 2(1,1)
Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1414 CAH-MUSIC 2(1,1)
Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Even Fall, Spring.

MVB 2421 CAH-MUSIC 2(1,1)
Trumpet III: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1)
French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC 2(1,1)
Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC 2(1,1)
Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC 2(1,1)
Tuba IV: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC 2-3(1,1)
Tuba III: PR: MVB 2425 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3435 CAH-MUSIC 2-3(1,1)
Tuba IV: PR: MVB 3425 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4441 CAH-MUSIC 4(1,1)
Trumpet IV: PR: MVB 3431. Intensive advanced performance study of the trumpet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4442 CAH-MUSIC 4(1,1)
French Horn IV: PR: MVB 3432 and competence determined by faculty jury. Intensive advanced performance study of the French horn, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4443 CAH-MUSIC 4(1,1)
Trombone IV: PR: MVB 3433 and competence determined by faculty jury. Intensive advanced performance study of the trombone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4444 CAH-MUSIC 4(1,1)
Euphonium IV: PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4445 CAH-MUSIC 4(1,1)
Tuba IV: PR: MVB 3435 and competence determined by faculty jury. Intensive advanced performance study of the tuba, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 5451 CAH-MUSIC 2(1,0)
Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5452 CAH-MUSIC 2(1,0)
French Horn V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5453 CAH-MUSIC 2(1,0)
Trombone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5454 CAH-MUSIC 2(1,0)
Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5455 CAH-MUSIC 2(1,0)
Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVJ 1010 CAH-MUSIC 2(1,1)
Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1213 CAH-MUSIC 2(1,1)
Jazz Guitar I: PR: Music major or C.I. Basic Jazz Guitar studies, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1214 CAH-MUSIC 2(1,1)
Jazz Bass I: PR: Music major or C.I. Basic Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1215 CAH-MUSIC 2(1,1)
Jazz Drum Set I: PR: Music major or C.I. Basic Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2220 CAH-MUSIC 2(1,1)
Jazz Piano II: PR: MVJ 1010. Continuation of MVJ 1010. Scale Studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2223 CAH-MUSIC 2(1,1)
Jazz Guitar II: PR: MVJ 1213. Continuation of MVJ 1213. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2224 CAH-MUSIC 2(1,1)
Jazz Bass II: PR: MVJ 1214. Continuation of MVJ 1214. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2229 CAH-MUSIC 2(1,1)
Jazz Drum Set II: PR: MVJ 1219. Continuation of MVJ 1219. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3320 CAH-MUSIC 3(1,1)
Jazz Piano III: PR: MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3323 CAH-MUSIC 3(1,1)
Jazz Guitar III: PR: MVJ 2223. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3324 CAH-MUSIC 3(1,1)
Jazz Bass III: PR: MVJ 2224. Continuation of MVJ 2224. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3339 CAH-MUSIC 3(1,1)
Jazz Drum Set III: PR: MVJ 2229. Continuation of MVJ 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4240 CAH-MUSIC 4(1,1)
Jazz Piano IV: PR: MVJ 3320. Continuation of MVJ 3320. 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 3323. Continuation of MVJ 3323. Scale studies, 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 3324. Continuation of MVJ 3324. Advanced Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4349 CAH-MUSIC 4(1,1)
Jazz Drum Set IV: PR: MVJ 3339. Continuation of MVJ 3339. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 5305C 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 5305C 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.
MVS 1412 CAH-MUSIC 2(1,1)  
Violin I: PR: Major in music or consent of chair; audition.  
May be repeated for credit.  Fall, Spring.

MVS 1413 CAH-MUSIC 2(1,1)  
Cello II: PR: Major in music or consent of chair; audition.  
May be repeated for credit.  Fall, Spring.

MVS 1414 CAH-MUSIC 2(1,1)  
Bass I: PR: Major in music or consent of chair; audition.  
May be repeated for credit.  Fall, Spring.

MVS 1415 CAH-MUSIC 2(1,1)  
Harp I: PR: Major in music or consent of chair; audition.  
May be repeated for credit.  Fall, Spring.

MVS 1416 CAH-MUSIC 2(1,1)  
Guitar I: PR: Major in music or consent of chair; audition.  
May be repeated for credit.  Fall, Spring.

MVS 2421 CAH-MUSIC 2(1,1)  
Violin II: PR: MVS 1411 and competence determined by 
faculty jury.  Continuation of MVS 1411.  May be repeated for credit.  
Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1)  
Violin I: PR: MVS 1412 and competence determined by 
faculty jury.  Continuation of MVS 1412.  May be repeated for credit.  
Fall, Spring.

MVS 2423 CAH-MUSIC 2(1,1)  
Cello I: PR: MVS 1413 and competence determined by 
faculty jury.  Continuation of MVS 1413.  May be repeated for credit.  
Fall, Spring.

MVS 2424 CAH-MUSIC 2(1,1)  
Bass II: PR: MVS 1414 and competence determined by 
faculty jury.  Continuation of MVS 1414.  May be repeated for credit.  
Fall, Spring.

MVS 2425 CAH-MUSIC 2(1,1)  
Harp II: PR: MVS 1415 and competence determined by 
faculty jury.  Continuation of MVS 1415.  May be repeated for credit.  
Fall, Spring.

MVS 2426 CAH-MUSIC 2(1,1)  
Guitar II: PR: MVS 1416 and competence determined by 
faculty jury.  Continuation of MVS 1416.  May be repeated for credit.  
Fall, Spring.

MVS 3431 CAH-MUSIC 2-3(1,1)  
Violin III: PR: MVS 2421 and competence determined by 
faculty jury.  Continued study of performance skills of the violin, 
with additional intensive work expected for performance majors.  May be used in the degree program a maximum of 3 times.  Fall, Spring.

MVS 3432 CAH-MUSIC 2-3(1,1)  
Cello III: PR: MVS 2422 and competence determined by 
faculty jury.  Continued study of performance skills of the viola, with additional intensive work expected for performance majors.  May be used in the degree program a maximum of 3 times.  Fall, Spring.

MVS 3433 CAH-MUSIC 2-3(1,1)  
Cello I: PR: MVS 2423 and competence determined by 
faculty jury.  Continued study of performance skills of the cello, with additional intensive work expected for performance majors.  May be used in the degree program a maximum of 3 times.  Fall, Spring.

MVS 3434 CAH-MUSIC 2-3(1,1)  
Bass III: PR: MVS 2424 and competence determined by 
faculty jury.  Continued study of performance skills of the string bass, with additional intensive work expected for performance majors.  May be used in the degree program a maximum of 3 times.  Fall, Spring.

MVS 3435 CAH-MUSIC 2-3(1,1)  
Harps I: PR: MVS 2425 and competence determined by 
faculty jury.  Continued study of performance skills of the harp, with additional intensive work expected for performance majors.  May be used in the degree program a maximum of 3 times.  Fall, Spring.

MVS 3436 CAH-MUSIC 2-3(1,1)  
Guitar II: PR: MVS 2426 and competence determined by 
faculty jury.  Continued study of performance skills of the guitar, with additional intensive work expected for performance majors.  May be used in the degree program a maximum of 3 times.  Fall, Spring.
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 4617 CAH-MUSIC 1(1,0)
Voice Pedagogy: PR: C.I. Continuation of MVS 4616. Intermediate to advanced levels. May be repeated for credit. Odd Spring.

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 4 times. Fall, Spring.

MVS 5651 CAH-MUSIC 2(3,0)
Voice Pedagogy: PR: Graduate standing or senior standing and C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer. Odd Spring.

MVS 1111 CAH-MUSIC 1(0,1)
Class Voice: Class instruction in beginning voice. May be repeated for credit. Fall, Spring.

MVS 1411 CAH-MUSIC 2(1,1)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1873 CAH-MUSIC 1(0,1)

MVS 2421 CAH-MUSIC 1(1,1)
Voice II: PR: MVS 1411 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVS 1411. Major in music or consent of chair; audition; Private and class lessons. May be repeated for credit 2 times. Fall, Spring.

MVS 2431 CAH-MUSIC 2(3,1,1)
Voice III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

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.

MWS 5451 CAH-MUSIC 2(1,0)

MWS 1121 CAH-MUSIC 1(0,1)

MWS 1212 CAH-MUSIC 1(0,1)
Secondary Oboe: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in oboe. Intended for non-major music majors. May be repeated for credit. Fall, Spring.

MWS 1213 CAH-MUSIC 1(1,1)
Secondary Clarinet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in clarinet. Intended for non-major music majors. May be repeated for credit. Fall, Spring.

MWS 1214 CAH-MUSIC 1(0,1)

MWS 1215 CAH-MUSIC 1(0,1)

MWS 1411 CAH-MUSIC 2(1,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MWS 1412 CAH-MUSIC 1(1,1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MWS 1413 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MWS 1414 CAH-MUSIC 2(1,1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MWS 1415 CAH-MUSIC 1(1,1)
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee $20.00

MWS 2421 CAH-MUSIC 2(1,1)
Flute II: PR: MVS 1411 and competence determined by faculty jury, Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MWS 2422 CAH-MUSIC 2(1,1)
Oboe II: PR: MVS 1412 and competence determined by faculty jury, Continuation of MVS 1412. May be repeated for credit. Fall, Spring.

MWS 4243 CAH-MUSIC 2(1,1)
Clarinet II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.

MWS 4244 CAH-MUSIC 2(1,1)
Bassoon II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring. M&S fee $20.00

MWS 4245 CAH-MUSIC 2(1,1)
Saxophone II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.

MWS 3431 CAH-MUSIC 2(3,1,1)
Flute III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MWS 3432 CAH-MUSIC 2(3,1,1)
Oboe III: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MWS 3433 CAH-MUSIC 2(3,1,1)
Clarinet III: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MWS 3434 CAH-MUSIC 2(3,1,1)
Bassoon III: PR: MVS 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MWS 3435 CAH-MUSIC 2(3,1,1)
Saxophone III: PR: MWS 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MWS 4441 CAH-MUSIC 4(1,1)
Flute IV: PR: MWS 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.

MWS 4442 CAH-MUSIC 4(1,1)
Oboe IV: PR: MWS 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.

MWS 4443 CAH-MUSIC 4(1,1)
Clarinet IV: PR: MWS 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.

MWS 4444 CAH-MUSIC 4(1,1)
Bassoon IV: PR: MWS 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.

MWS 4445 CAH-MUSIC 4(1,1)
Saxophone IV: PR: MWS 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.

MWS 5451 CAH-MUSIC 2(1,0)
Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MWS 5452 CAH-MUSIC 2(1,0)
Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MWS 5453 CAH-MUSIC 2(1,0)
Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MWS 5454 CAH-MUSIC 2(1,0)
Secondary Viola: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MWS 5455 CAH-MUSIC 2(1,0)
Secondary Cello: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in cello. Intended for non-major music majors. May be repeated for credit. Fall, Spring.

MWS 5456 CAH-MUSIC 2(1,0)

MWS 5457 CAH-MUSIC 2(1,0)

MWS 5458 CAH-MUSIC 2(1,0)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVW 5453</td>
<td>CAH-MUSIC</td>
<td>Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 5447</td>
<td>CAH-MUSIC</td>
<td>Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 5455</td>
<td>CAH-MUSIC</td>
<td>Saxophone V: Lab: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5003</td>
<td>CON-NURS</td>
<td>Advanced Health Assessment and Diagnostic Reasoning: PR: or CR: NGR 5141; CR: NGR 5003. Admission to the M.S. in Nursing or Doctor of Nursing Practice. Lab: C.I. Concepts and skills for advanced health assessment over the lifespan. Application of the diagnostic reasoning process through differential diagnosis to care in the degree program a maximum of 2 times. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5003L</td>
<td>CON-NURS</td>
<td>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. Lab: C.I. 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.</td>
</tr>
<tr>
<td>NGR 5891</td>
<td>CON-NURS</td>
<td>Health Care Systems, Policy and Health Professionals: PR: Admission to the MSN program or C.I. Examine social responses to health and illness, health care systems and policies and the role of advanced practice nurses. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5894C</td>
<td>CON-NURS</td>
<td>International Perspectives of Global Health: PR: Graduate standing and admission to the M.S. in Nursing or Doctor of Nursing Practice program. Examination of legal, ethical, cultural, and political issues related to professional advanced practice nursing. May be used in the degree program a maximum of 2 times. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5980</td>
<td>CON-NURS</td>
<td>Urgent Care for the Advanced Practice Nurse: PR: NUR 2425 or C.I. Advanced practice evaluation and management of clients in urgent care settings. Occasional.</td>
</tr>
<tr>
<td>NGR 5914</td>
<td>CON-NURS</td>
<td>Pathophysiological Bases for Advanced Nursing Practice: PR: Admission to M.S. in Nursing or Doctor of Nursing Practice program or C.I. Critical examination of the physiological and pathophysiological mechanisms affecting individuals. May be used in the degree program a maximum of 2 times. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5638</td>
<td>CON-NURS</td>
<td>Health Promotion: PR: Admission to M.S. in Nursing or Doctor of Nursing Practice program or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. May be used in the degree program a maximum of 2 times. Fall, Spring.</td>
</tr>
<tr>
<td>NGR 5660</td>
<td>CON-NURS</td>
<td>Health Disparities: Issues and Strategies: PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different U.S. populations. Researching disparities issues, and strategies to close the gaps. May be used in the degree program a maximum of 2 times. Occasional.</td>
</tr>
<tr>
<td>NGR 5690</td>
<td>CON-NURS</td>
<td>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.</td>
</tr>
<tr>
<td>NGR 5720</td>
<td>CON-NURS</td>
<td>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.</td>
</tr>
<tr>
<td>NGR 5745</td>
<td>CON-NURS</td>
<td>Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5863 and NGR 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.</td>
</tr>
<tr>
<td>NGR 5800</td>
<td>CON-NURS</td>
<td>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.</td>
</tr>
<tr>
<td>NUR 3028</td>
<td>CON-NURS</td>
<td>Essentials of Nursing Practice: PR: Admission to BSN program. CR: NUR 3065 and admission to 3065L, NUR 3634 and NUR 3634L. Apply nursing processes and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. Fall, Spring.</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>CON-NURS</td>
<td>Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3028 and admission to 3028L, NUR 3065 and NUR 3065L, NUR 3625, and NUR 3634L. Lab to learn scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. Fall. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>CON-NURS</td>
<td>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.</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>CON-NURS</td>
<td>Health Assessment Lab: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&amp;S fee $15.00</td>
</tr>
<tr>
<td>NUR 3080</td>
<td>CON-NURS</td>
<td>Pathophysiology for Nursing Practice: PR: Admission to BSN program. Concurrent enrollment in the first semester in the nursing curriculum. CR: Concurrent enrollment in NUR 3225; NUR 3225L; NUR 3145; NUR 3445; NUR 3445L. Concepts and nursing care applications of the pathophysiological basis of illness. Fall.</td>
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<tr>
<td>NUR 3145</td>
<td>CON-NURS</td>
<td>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.</td>
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<tr>
<td>NUR 3165</td>
<td>CON-NURS</td>
<td>Nursing Research: PR: Admission to the BSN program. STA 2014C or 2023, for Basic program students: successful completion of the first semester; for RN to BSN students: NUR 3805 and RN status; or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. Fall, Spring.</td>
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<tr>
<td>NUR 3165H</td>
<td>CON-NURS</td>
<td>Nursing Research: PR: Permission of honors; admission to nursing and completion of previous nursing courses; STA 2014C or 2023, co-requisites per the plan of study or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. With Honors content. Occasional.</td>
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<tr>
<td>NUR 3167</td>
<td>CON-NURS</td>
<td>Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; concurrent undergraduate or graduate research course with approval from the CON. Accelerated study of systematic approaches to problem solving in nursing. Selected experiences in investigating, analyzing, and interpreting research and nursing issues. Spring.</td>
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<tr>
<td>NUR 3225</td>
<td>CON-NURS</td>
<td>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.</td>
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<tr>
<td>NUR 3225L</td>
<td>CON-NURS</td>
<td>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&amp;S fee $45.00</td>
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</table>
UCF Courses and Descriptions

NUR 3445 CON-NURS 3(3,0) Nursing Care of Families: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3235L; NUR 3245L. Examines the family system, family functioning, communication, and values and beliefs as they relate to health promotion, illness, and management for childbearing and childbearing families. Fall.

NUR 3445L CON-NURS 2(0,6) Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3235L; NUR 3245; NUR 3445L. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. Fall M&S fee $45.00.

NUR 3634 CON-NURS 3(3,0) Community Health Nursing: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834L. Conceptual frameworks of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall.

NUR 3634L CON-NURS 2(0,6) Community Health Nursing Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834L. Clinical applications of community health nursing focusing on community as client and levels of prevention across the lifespan. Graded S/U. Fall. M&S fee $45.00.

NUR 3755L CON-NURS 2(0,6) Essentials of Nursing Practice Clinical: PR: Admission to BSN program, CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834L, or C.I. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded S/U. Fall. M&S fee $45.00.


NUR 3805 CON-NURS 3(3,0) Dimensions of Professional Nursing Practice: PR: Nursing major/junior level or C.I.; ENC 1102. Theoretical and practical basis of professional nursing practice for RN to BSN students. Fall, Spring.

NUR 3806 CON-NURS 1(1,0) Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. Spring.

NUR 3825 CON-NURS 2(2,0) The Role of the Professional Nurse: PR: Admission to the school of Nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall. Spring.

NUR 3825H CON-NURS 2(2,0) The Role of the Professional Nurse Honors: PR: Admission to BSN program. Role and function of the professional nurse, including professional standards, legal, and practice issues with honors content. Fall.


NUR 3936 CON-NURS 3(2,2) International Perspectives of Nursing and Health Care: PR: Enrolled in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care system in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS 3(3,0) Holistic Nursing: Explore lived experience of health-wellness, illness, disease, and the spiritual, transcendental healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4197 CON-NURS 3(3,0) Genetics and Genomics in Nursing Practice: PR: NUR 3125, RN License, or C.I. The application of genetics and genomic principles to clinical nursing practice. Occasional.

NUR 4227 CON-NURS 4(4,0) Nursing Care of the Adult II: PR: Admission to the BSN program. CR: successful completion of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4355; NUR 4535L; or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Spring.

NUR 4227L CON-NURS 3(0,3) Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program. CR: successful completion of the first three semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4535L; or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Spring.

NUR 4245 CON-NURS 3(3,0) Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.

NUR 4286 CON-NURS 3(3,0) Gerontologic Nursing: PR: NUR 4286 or RN License or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4443 CON-NURS 3(3,0) Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN license, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.


NUR 4535 CON-NURS 3(3,0) Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4355; NUR 4535L. Application of psychiatric mental health nursing to mental health and the prevention, treatment and rehabilitation of mental illness. Fall, Spring.

NUR 4535L CON-NURS 2(0,6) Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L. Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4604L CON-NURS 4(0,12) Practicum in Community and Public Health Nursing for RNs: PR: NUR 3634; CR: NUR 4837, NUR 4827, and NUR 4637. Synthesis of theories and concepts incorporated throughout the curriculum, applied in community health and public health nursing setting, and directed toward professional role development. Graded S/U. Fall, Spring.

NUR 4637 CON-NURS 2(2,0) Public Health Nursing: PR: Admission to the BSN program. Successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L; NUR 4637L; NUR 4257. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS 1(0,3) Public Health Nursing Clinical: PR: Admission to the BSN program. Successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L; NUR 4637; NUR 4257. Clinical Course to apply concepts of public health nursing. Students will complete findings of community assessment completed in NUR 4637 Public Health Nursing. Graded S/U. Fall, Spring.

NUR 4675 CON-NURS 3(3,0) Issues in Rural Health Care: PR: NUR 3065 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4760 CON-NURS 3(3,0) Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Occasional.

NUR 4765 CON-NURS 3(3,0) Rehabilitation Nursing: Principles and Practice: PR: Admission to the nursing program, or RN license, or C.I. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4827 CON-NURS 3(3,0) Leadership and Management Principles: PR: NUR 3065, RN Status or C.I. Scientific theories and principles of leadership and management. Function in leadership, management, and teaching roles in professional nursing. Application of decision making process. Fall, Spring.

NUR 4828 CON-NURS 3(3,0) Nursing Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4829 CON-NURS 3(3,0) Accelerated Transitioning into Professional Practice as a Leader: PR: or CR: NUR 4945L or C.I. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4837 CON-NURS 3(3,0) Health Care Issues, Policy, and Economics: PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community. Fall, Spring.

NUR 4837H CON-NURS 3(3,0) Honors Health Care Issues, Policy, and Economics: PR: Permission of Honors; Admission to BSN program; completed first & second semester BSN curriculum course work; or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community with honors content. Occasional.

NUR 4906 CON-NURS Variable Independent Study: Directed Study, Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS 3(3,0) Directed Reading/Research-Honors: PR: Permission of Honors and nursing major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded S/U or Letter grade. Occasional.

NUR 4930 CON-NURS 3(3,0) Health Issues in Minority and Special Populations: PR: Nursing Majors/Legislative Level, or C.I. Identify and critically analyze structural and socio-cultural factors that influence the health of minorities and special populations. Occasional.
NUR 4942L CON-NURS 3(0,3)  

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 nurs- ing 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 3008 COS-BIOL 3(3,0)  

OCE 3490 OPT-OPT 3(3,0)  

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)  

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 5203 OPT-OPT 3(3,0)  

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 such as quantum well semiconductor devices. Fall.

OCE 5630C OPT-OPT 3(2,1)  
Thin Film Optics: PR: PHY 4424 or EEL 4440 and 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)  

PAD 3040 HPA-PUB 3(3,0)  
Ethics and Values in Public Administration: PR: Junior standing or C.I. Ethical dimensions of public administration. Development of personal 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-HAP 1(1,0)  
American Humancics Human Service Workshop: PR: Enrollment in American Humancics Minor or National Certificate Program through American Humancics Program office. Discussion and activity based course exploring opportunities to prepare students for management and leadership positions in human services. Student Association activities included. May be repeated for credit. 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 interplay between social values, policies and administra- tion. Fall, Spring.

PAD 4104 HPA-PUB 3(3,0)  
Administrative Theory: A review of the behavioral aspects of the administrative process, its impact on orga- nizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrativa- 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 a 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 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 tech- niques employed by public budget analysis, focusing on the process of generating and using information. Occasional.

PAD 4253 HPA-PUB 3(3,0)  
Community & Economic Development: PR: PAD 3003 or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. Fall.

PAD 4325 HPA-PUB 3(3,0)  
Program Evaluation for Public and 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 vari- ances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. Fall.

PAD 4334 HPA-PUB 3(3,0)  
Urban Design: CR: PAD 3003 or C.I. Theoretical and concepts of the physical, cultural, social and financial factors associated with urban design. Spring.

PAD 4351 HPA-PUB 3(3,0)  
Issues in Environmental Program Management: CR: PAD 3330. The study of environ- ment 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 strat- egies are highlighted and complex dynamics of the recovery process are emphasized. Spring.

PAD 4414 HPA-PUB 3(3,0)  
Public Personnel Administration: The histo- ry, operating components, structural characteristics, and increasing impact of laws and related sanctions on person- nel 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 val- ues, ethical dilemmas, and social consequences related to issues of diversity. Fall.

PAD 4461 HPA-PUB 3(3,0)  

PAD 4616 HPA-PUB 3(3,0)  
Privatization: PR: PAD 3003 or C.I. Analysis of the pro- cess of privatizing existing governmental services, includ- ing: privatization decision, creation of RFP or ITB, contract award and contract management. Occasional.
U CF 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 4941 HPA-PUB 3(6,0) Public Administration Internship: CR: C.I. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded S/U. Occasional.

PAD 4948 HPA-PUB 3(0,3) American Humanities Internship: CR: Enrollment in American Humanities AH Certification Program, completion of AH restricted electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humanities certification program. Requires minimum of 300 hours placement in non-profit 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: CR: 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 5356 HPA-PUB 3(3,0) Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. 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: CR: 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, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded S/U. Occasional.

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: CR: 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.

PAF 4724 HPA-PUB 3(3,0) Zoo and Aquarium Management: CR: PCB 3044, and PCB 3063 or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.


PAF 5474 HPA-PUB 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.

PCB 3023 COS-BIOL 3(3,0) Molecular Cell Biology: CR: PCB 3021, 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 3024 COS-BIOL 3(3,0) Principles of Ecology: CR: PCB 3010C, PCB 3011C, and CHM 2045C, or C.I. Elements of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development. Fall.

PCB 3044L COS-BIOL 1(0,3) Principles of Ecology Laboratory: CR: PCB 3010C and CHM 2045C, or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall. M & S fee $15.00

PCB 3063 COS-BIOL 3(3,0) Genetics: CR: PCB 3010C and CHM 2046, or C.I. Basic principles of heredity as applied to prokaryotes and eukaryotes. Fall, Spring.

PCB 3063H COS-BIOL 3(3,0) Genetics Laboratory: CR: PCB 3010C and CHM 2046, or C.I. and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Occasional.

PCB 3063L COS-BIOL 1(0,3) Genetics Laboratory: CR: or PCB 3063 or C.I. Introduction to laboratory techniques of genetics. Fall, Spring. M & S fee $28.00

PCB 3233 COM-M&M 3(3,0) Immunology: CR: PCB 3233. Introduction to laboratory techniques in immunology. Fall, Spring. M & S fee $45.00

PCB 3301C COS-BIOL 4(3,4) Molecular Cell Biology Laboratory: CR: PCB 3233. Introduction to laboratory techniques in molecular biology. Fall, Spring. M & S fee $45.00


PCB 3355C COS-BIOL 2(1,1) Tropical Marine Biology: CR: PCB 2010C and CHM 2011C or C.I. Intensive, one week field course at an institute of marine science. Diving/snorkeling will be used extensively to study organisms on pristine coral reefs. Occasional.


PCB 3522 COM-M&M 3(3,0) Molecular Biology I: CR: CHM 2111 and MCB 3025 or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Fall, Spring.

PCB 3703C COM-M&M 4(3,3) Human Physiology: CR: PCB 2010C, CHM 2020 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. Fall, Spring. M & S fee $70.00


PCB 4028 COM-M&M 3(3,0) Molecular and Cellular Pharmacology: CR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.

PEL 2011 ED-CFCS 2(1,1) Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional. M&S fee $5.00

PEL 2111 ED-CFCS 2(1,1) Bowling: Fundamentals of bowling techniques and the development of skills based on those fundamentals. Occasional.

PEL 2112 ED-CFCS 2(1,1) Intermediate Bowling: PR: PEL 2111, bowling experience, or average of 140 verification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.

PEL 2121 ED-CFCS 2(1,1) Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring. M&S fee $6.00

PEL 2122 ED-CFCS 2(1,1) Intermediate Golf: PR: PEL 2121 or equivalent competency. A study of performance and application of intermediate skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2341 ED-CFCS 2(1,1) Beginning Tennis: Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional. M&S fee $3.00

PEL 2342 ED-CFCS 2(1,1) Intermediate Tennis: PR: PEL 2341 or equivalent competency. Performance and application of advanced skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2640 ED-CFCS 2(1,1) Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional. M&S fee $6.00

PEM 2101 ED-CFCS 2(1,1) Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiovascular) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEM 2104 ED-CFCS 3(2,1) Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high level wellness. Fall, Spring.

PEM 2121C ED-CFCS 3(1,3) Yoga: Performance and application of a series of basic movements, including 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

PEM 2127C ED-CFCS 2(1,1) Pilates: The Pilates method of body conditioning emphasizing core muscularata as it applies to everyday movement. Occasional. M&S fee $3.00

PEM 2131 ED-CFCS 2(1,1) Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring. M&S fee $5.00

PEM 2134C ED-CFCS 2(1,1) Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional. M&S fee $3.00

PEM 2171 ED-CFCS 2(1,1) Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretch, and cool down. Fall, Spring. M&S fee $5.00

PEM 2173 ED-CFCS 2(1,1) 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.

PEM 2175 ED-CFCS 2(1,1) Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

PEM 2176C ED-CFCS 2(1,1) Cardio Kickboxing: Proper technique and fundamentals of cardio kickboxing. Occasional. M&S fee $6.00

PEM 2179C ED-CFCS 2(1,1) Boot Camp Fitness: Study and application of aerobic and anaerobic fitness activities to improve core strength, posture, breath control, body alignment and flexibility. Occasional.

PEM 2405 ED-CFCS 3(1,2) Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

PEM 2443 ED-CFCS 2(1,2) Tae Kwon Do: An analysis and application of the martial arts, as well as an overall physical and mental training system. Occasional.

PEM 5408C ED-CFCS 3(2,1) Controlling Classroom Violence: PR: Graduate standing, certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. Occasional.

PEM 5112 ED-CFCS 2(1,1) Elementary Swimming: For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. Occasional.

PEO 2011 ED-CFCS 3(2,1) Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring. M&S fee $5.00

PEO 2031 ED-CFCS 3(2,1) Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring. M&S fee $9.00

PEO 2623C ED-CFCS 2(1,1) Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional. M&S fee $6.00

PEO 2624 ED-CFCS 3(2,1) Coaching Basketball: Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall.

PEO 3041 ED-CFCS 3(3,0) Games Analysis: PR: Admission to Physical Education program, Standing or C.I. Teaching methodology using games for specific outcome behaviors in grades K-12. Occasional.

PEO 3219 ED-CFCS 3(2,0) Coaching Baseball and Softball: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive strategies and techniques. Fall.

PEO 3324 ED-CFCS 3(2,1) Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

PEO 3514C ED-CFCS 3(2,1) Coaching Soccer: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching soccer, including the analysis of offensive and defensive strategies and techniques. Occasional.


PEP 3205 ED-CFCS 3(2,1) Gymnastics: This course is designed to develop skill proficiency and instructional strategies in gymnastics. Occasional.

PET 2081 ED-CFCS 1(1,0) Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

PET 2084 ED-CFCS 3(3,0) Introduction to Sport and Exercise Science: PR: Admission to Sport and Exercise Science program. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.

PET 3097 ED-CFCS 3(3,0) Health and Wellness: PR: Admission into the Sport and Exercise Science program. Explore wellness through scientific knowledge and practical application. Fall, Spring.

PET 3125 ED-CFCS 3(3,0) Fitness and Weight Management: PR: Admission to Sport and Fitness program, ZOO 2750C, PET 4215, PET 4550C (all required); or C.I. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Fall, Spring.

PET 3137 ED-CFCS 3(3,0) Coaching and Practices in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or C.I. Examination of experiences in Sport and Exercise Science program: concepts, practices, and science. Fall, Spring.


PET 3361 ED-CFCS 3(3,0) Nutrition and Metabolism in Sport and Exercise Science: PR: PET 2086, BSC 2101C. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, metabolism, and athletic performance in sport and exercise sciences. Fall, Spring.

PET 3510C HPA-HP 3(2,1) Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, dogs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall.

PET 3740C ED-CFCS 2(1,1) Teaching Physical Education in the Secondary and Middle School (6-12): PR: Admission to Junior Block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. Occasional.

PET 3765 ED-CFCS 3(3,0) Coaching Theory: PR: Admitted to COE or C.I. Theories of coaching team and individual sports. Fall, Spring.

PET 3769 ED-CFCS 3(3,0) Group Exercise Instruction: PR: Admission to Sport and Fitness program, ZOO 3735C, PET 4560C, PET 4312C (all required); or C.I. An in-depth study into group exercise instruction and fitness related concepts. Fall, Spring.

PET 3771 ED-CFCS 3(3,0) Strength and Conditioning Concepts: PR: PET 2084. Integration of advanced components of muscular strength training and endurance conditioning for the sport and exercise professional. Fall, Spring.

PET 3820 ED-CFCS 3(2,1) Teaching Sports Skills I: PR: PEO 2011 or PEO 2031. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Occasional.

UNIVERSITY OF CENTRAL FLORIDA
Adapted Physical Education: Principles and methods of education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

Methods for Physical Activity for Children and Adolescents: PR: Admission to the College of Education and/or a C.I. Fitness program, or C.I. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for physical activity in children and adolescents. Fall, Spring.

Development and History of Physical Education Curriculum: A study of the factors involved in curriculum development and historical and philosophical considerations of physical education programs. Occasional.

Coaching Methods And Principles: PR: Junior standing. Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods/coaching strategies with emphasis given to conditioning and leadership styles. Occasional.

Teaching Sports Skills II: PR: PET 3820. Skill, proficiency, and knowledge to plan, implement and evaluate sports skills. Odd Fall, Even Spring.

Sport and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 13 of the Sport and Fitness program requirements. Field experience in a sport and fitness related organization. Graded S/U. Fall, Spring.

Sport and Exercise Science Practicum: PR: Overall GPA of 2.5, Senior in Sport and Exercise Science program and C.I. Field experience in a sport and exercise science organization, association, or business. Graded S/U. Fall, Spring.

12(0,35) Internship II: PR: Must have completed course work in specialization. Full time student teaching under a certified or secondary physical education teacher. Graded S/U. May be repeated for credit. Occasional.

Motivational Aspects of Coaching: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, mental rehearsal, motivation, effort, persistence, adherence and compliance measurement and evaluation, and other related topics of interest. Occasional.

Exercise and Health: PR: Admission to master's program or certificate program. Will provide educators an in-depth understanding of energy pathways, and neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. Occasional.

Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. Occasional.


Examination of the motor development of children and the learning of gross motor skills. Fall, Spring.

Theories of attitude, motivation, assessment, and methods analyzed.

Fall, Spring.

Critique and analysis of evidence that underpins knowledge. ZOO 3733C and PCB 3703C; Junior standing; Open to all COHPA majors. Appreciation and clinical application of fitness regarding athletics. Spring.

Adapted Physical Education: Principles and methods of education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

The comprehension and application of anatomical training and fitness related concepts.

Internship I Physical Education: PR: PET 3801. Supervised teaching in a physical education program under the supervision of a certified classroom teacher. Occasional.

Internship I: PR: Senior standing. EDG 4232. Satisfactory completion of the portfolio. Internship assignment under a certified physical education teacher. Fall in elementary, half in secondary. Occasional.


Coaching minor or C.I. Theories of attitude, motivation, assessment, and methods analyzed.

Fall, Spring.

C.I. Critique and analysis of evidence that underpins knowledge. ZOO 3733C and PCB 3703C; Junior standing; Open to all COHPA majors. Appreciation and clinical application of fitness regarding athletics. Spring.


Internship II: PR: Overall GPA of 2.5, Senior in Sport and Exercise Science program and C.I. Field experience in a sport and exercise science organization, association, or business. Graded S/U. Fall, Spring.

Professional, Pedagogical, and Ethical Issues: PR: PGY 3620C or C.I. Exploration of imagery created to illustrate articles, including still-life, portrait, documentary, and/or fashion photography. Emphasis on the creation of multiple or conceptual images. Graded S/U. M&S fee $45.00.


Photography and the Web: PR: PGY 3821C or C.I. Exploration of the creation of multiple or conceptual images. Graded S/U. M&S fee $45.00.


Alternative Processes: PR: PGY 4472C or C.I. Focus on the creation of multiple or conceptual images. Graded S/U. M&S fee $45.00.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 4228C</td>
<td>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.</td>
</tr>
<tr>
<td>PGY 4235C</td>
<td>CAH-SVAD</td>
<td>Professional Photographic Workshop</td>
<td>3(2,4)</td>
<td>PR: PGY 3205C. Creative, logistical, and technical processes related to a variety of special lighting problems in the photographic studio and on location.</td>
</tr>
<tr>
<td>PGY 4400C</td>
<td>CAH-SVAD</td>
<td>Special Problems in Photography</td>
<td>3(2,3)</td>
<td>PR: ART 2201C, ART 2203C, ART 2600C. Designed for art majors. May be repeated for credit.</td>
</tr>
<tr>
<td>PGY 4412C</td>
<td>CAH-SVAD</td>
<td>M&amp;S fee $20.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PGY 4420C</td>
<td>CAH-SVAD</td>
<td>Professional Photographic Workshop</td>
<td>3(2,3)</td>
<td>PR: ART 2201C, ART 2203C, ART 2600C. Designed for art majors. May be repeated for credit.</td>
</tr>
<tr>
<td>PGY 4440C</td>
<td>CAH-SVAD</td>
<td>M&amp;S fee $45.00</td>
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<tr>
<td>PGY 4447C</td>
<td>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. Synthetic portfolio review or C.I. Admission to the Photography program. Designed for upper division art majors with photographic concentration. A series of directed photographic problems of a research nature.</td>
</tr>
<tr>
<td>PGY 4472C</td>
<td>CAH-SVAD</td>
<td>M&amp;S fee $20.00</td>
<td></td>
<td></td>
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<tr>
<td>PGY 4493C</td>
<td>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.</td>
</tr>
<tr>
<td>PGY 5108C</td>
<td>CAH-SVAD</td>
<td>Advanced Techniques and Concepts in Photography</td>
<td>3(2,4)</td>
<td>PR: PGY 4401C, PGY 3410C and PGY 4440C. Admission into MFA graduate program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times.</td>
</tr>
<tr>
<td>PHH 3041</td>
<td>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.</td>
</tr>
<tr>
<td>PHH 3100</td>
<td>CAH-PHIL</td>
<td>Ancient Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. Occasional.</td>
</tr>
<tr>
<td>PHH 3200</td>
<td>CAH-PHIL</td>
<td>Medieval Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. Occasional.</td>
</tr>
<tr>
<td>PHH 3460</td>
<td>CAH-PHIL</td>
<td>Modern Western Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.</td>
</tr>
<tr>
<td>PHH 3510</td>
<td>CAH-PHIL</td>
<td>Marx and Nietzsche</td>
<td>3(3,0)</td>
<td>PR: Junior standing. The philosophies of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting standpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporary relevance. Occasional.</td>
</tr>
<tr>
<td>PHH 3600</td>
<td>CAH-PHIL</td>
<td>Contemporary Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, Sartre, de Beauvoir, structuralism, post-structuralism, and liberation philosophies. Occasional.</td>
</tr>
<tr>
<td>PHH 3700</td>
<td>CAH-PHIL</td>
<td>American Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or AMH 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in America. May be taken with primary focus on the American spirit of individualism and reform. Even Spring.</td>
</tr>
<tr>
<td>PHH 3701</td>
<td>CAH-PHIL</td>
<td>Native American Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Academic Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.</td>
</tr>
<tr>
<td>PHH 4101</td>
<td>CAH-PHIL</td>
<td>Introduction to Philosophy</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Major themes and developments in Russian philosophy in ethics.</td>
</tr>
<tr>
<td>PHH 4102</td>
<td>CAH-PHIL</td>
<td>M&amp;S fee $45.00</td>
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<tr>
<td>PHH 4103</td>
<td>CAH-PHIL</td>
<td>Honors Introduction to Philosophy</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors. Same as PHI 3102 with honors-level content.</td>
</tr>
<tr>
<td>PHH 4105</td>
<td>CAH-PHIL</td>
<td>Philosophical Reasoning</td>
<td>3(3,0)</td>
<td>PR: Senior standing. A study of reasoning in philosophy: the role of inconsistency, incomplete, self-refuting arguments, and the structure of logical systems.</td>
</tr>
<tr>
<td>PHH 4106</td>
<td>CAH-PHIL</td>
<td>Critical Thinking</td>
<td>3(3,0)</td>
<td>PR: PHI 2010. The logic of conversation, informal fallacies, and reasoning about human action.</td>
</tr>
<tr>
<td>PHH 4230</td>
<td>CAH-PHIL</td>
<td>Ethics</td>
<td>3(3,0)</td>
<td>PR: PHI 2010. An examination of the nature of moral problems, judgments and concepts, and their emphasis on recent formulations in ethical theory.</td>
</tr>
<tr>
<td>PHH 4247</td>
<td>CAH-PHIL</td>
<td>Logic and Ethics</td>
<td>3(3,0)</td>
<td>PR: PHI 2010. A study of the relationship between means and ends and how they define one another.</td>
</tr>
<tr>
<td>PHH 4267</td>
<td>CAH-PHIL</td>
<td>Ethical Issues in the 21st Century</td>
<td>3(3,0)</td>
<td>PR: PHI 2010. The ethical implications of the Human Genome Project.</td>
</tr>
<tr>
<td>PHH 4283</td>
<td>CAH-PHIL</td>
<td>Philosophy of Religion</td>
<td>3(3,0)</td>
<td>PR: PHI 2010. The ethical implications of the Human Genome Project.</td>
</tr>
<tr>
<td>PHH 4320</td>
<td>CAH-PHIL</td>
<td>Philosophy of Mind</td>
<td>3(3,0)</td>
<td>PR: PHI 2010, PSY 2012. 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.</td>
</tr>
<tr>
<td>PHH 4330</td>
<td>CAH-PHIL</td>
<td>Minds and Machines</td>
<td>3(3,0)</td>
<td>PR: PHI 2010. The ethical implications of the Human Genome Project.</td>
</tr>
<tr>
<td>PHH 3451</td>
<td>CAH-PHIL</td>
<td>Philosophy of Psychology</td>
<td>3(3,0)</td>
<td>PR: PHI 2010. The ethical implications of the Human Genome Project.</td>
</tr>
<tr>
<td>PHH 3625</td>
<td>CAH-PHIL</td>
<td>Virtual Ethics</td>
<td>3(3,0)</td>
<td>PR: COP 3502C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology.</td>
</tr>
<tr>
<td>PHH 3626</td>
<td>CAH-PHIL</td>
<td>Environmental Ethics</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Environmental ethics.</td>
</tr>
<tr>
<td>PHH 3638</td>
<td>CAH-PHIL</td>
<td>Ethical Implications of the Human Genome Project</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Environmental ethics.</td>
</tr>
<tr>
<td>PHH 3640</td>
<td>CAH-PHIL</td>
<td>Environmental Ethics</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Environmental ethics.</td>
</tr>
<tr>
<td>PHH 3648</td>
<td>CAH-PHIL</td>
<td>Ethics of Virtual Worlds</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Environmental ethics.</td>
</tr>
<tr>
<td>PHH 3664</td>
<td>CAH-PHIL</td>
<td>Philosophy of Friendship</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Environmental ethics.</td>
</tr>
<tr>
<td>PHH 3670</td>
<td>CAH-PHIL</td>
<td>Ethics</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Environmental ethics.</td>
</tr>
<tr>
<td>PHH 3672</td>
<td>CAH-PHIL</td>
<td>Animal Ethics</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Environmental ethics.</td>
</tr>
<tr>
<td>PHH 3683</td>
<td>CAH-PHIL</td>
<td>Philosophy of Friendship</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Environmental ethics.</td>
</tr>
<tr>
<td>PHH 3684</td>
<td>CAH-PHIL</td>
<td>Ethics</td>
<td>3(3,0)</td>
<td>PR: PHI 2010 or C.I. Environmental ethics.</td>
</tr>
</tbody>
</table>
Gross Anatomy/Neuroscience I Lab: CR: PHT 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper lower extremeties. Regional cadaver dissection. Occasional.

PHT 3112L HPA-HP 3(0,6) Gross Anatomy/Neuroscience I Lab: CR: PHT 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper lower extremeties. Regional cadaver dissection. Occasional.

PHT 3113 HPA-HP 2(2,0) Gross Anatomy/Neuroscience II: CR: PHT 3112L. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. Occasional.

PHT 3113L HPA-HP 3(0,6) Gross Anatomy/Neuroscience II Lab: CR: PHT 3113L. 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 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 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 4222L HPA-HP 1(0,2) Therapeutic Exercise I Lab: CR: PHT 4222. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Occasional.

PHT 4230 HPA-HP 2(2,0) Therapeutic Exercise II: CR: PHT 4222; PHT 4222L. CR: PHT 4230L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. Occasional.

PHT 4230L HPA-HP 1(0,2) Therapeutic Exercise II Lab: CR: PHT 4230. Lab course emphasizing use of various therapeutic exercise modalities. Occasional.

PHT 4307 HPA-HP 3(3,0) Pathology/Pharmacology: CR: PHT 3113L. Organized seminars on the pathophysiology and clinical manifestations of various medical conditions as they relate to medical management in physical therapy practice. Occasional.

PHT 4308 HPA-HP 2(2,0) Medical Science and Pharmacology II: CR: PHT 4307. The impact on patients of the mechanisms of various orthopedic and neurological disorders; drugs used in their management. Relates neuropathology and orthopedic pathology to the study of movement. Occasional.


PHT 5125 HPA-HP 2(2,0) Clinical Kinesiology: CR: PHT 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and tissue mechanics of relevant human tissues. Occasional.

PHT 5125L HPA-HP 2(0,2) 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: CR: PHT 4222. Theories of physical agents, heat, light, cold, water, sound, and massage; patient 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: PHT 4230. Lab course on the clinical applications of heat, light, cold, water, sound, and massage. Spring. M&S fee $30.00

PHT 5240 HPA-HP 1(1,0) Physical Assessment: CR: PHT 4222. Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&S fee $45.00

PHT 5241 HPA-HP 2(2,0) Therapeutic Exercises I: CR: PHT 4222. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Spring.

PHT 5241L HPA-HP 2(0,4) Therapeutic Exercise I Lab: CR: PHT 5241. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Spring. M&S fee $15.00

PHT 5260 HPA-HP 1(0,2) 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, draping, gait training. Fall.

PHT 5260L HPA-HP 1(0,2) 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 5718L HPA-HP 1(0,2) Neurological Physical Therapy: CR: PHT 4222. Lab course emphasizing the clinical application of selected neurornotor theories. Occasional. M&S fee $30.00


PHY 2048C COS-PHYS 4(3,3) Physics for Engineers & Scientists I: CR: 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: CR: MAC 2311 or equivalent. Mechanics, Thermodynamics, fluids, Fall. Spring. M&S fee $15.00

PHY 2048L COS-PHYS 3(2,2) Honors Physics for Engineers and Scientists II: CR: MAC 2312 and PHY 2048C or PHY 2048H. Electricity, magnetism, optics, Fall. Spring. M&S fee $15.00

PHY 2049C COS-PHYS 4(3,3) Physics for Engineers and Scientists II: CR: MAC 2312 and PHY 2048C or PHY 2048H. Electricity, magnetism, optics, Fall. Spring. M&S fee $15.00

PHY 2053C COS-PHYS 3(3,3) College Physics II: CR: MAC 1105C and MAC 1114 or equivalent or C.I. Mechanics, waves, thermodynamics. Fall. Spring. M&S fee $15.00


PHY 2054C COS-PHYS 4(3,3) College Physics II: CR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall. Spring. M&S fee $15.00

UCF Courses and Descriptions

PHZ 5045 COS-PHYS 3(3,0) Attosecond Laser Physics: PR: PHY 5006, PHY 5340, PHY 4324, or C.I. Technique for generating attosecond optical pulses using both semi-classical models and quantum mechanics theories. Illustrative examples of attosecond applications. Offered Spring.

PHZ 5156 COS-PHYS 3(3,0) Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHZ 5204 COS-PHYS 3(3,0) Nuclear and Particle Physics: PR: PHY 4604 or equivalent; and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. Occasional.

PHZ 5405 COS-PHYS 3(3,0) Condensed Matter Physics: PR: PHY 4604, PHY 3101; and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PHZ 5425 COS-PHYS 3(3,3) Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.

PHZ 5432 COS-PHYS 3(3,0) Introduction to Soft Condensed Matter Physics: PR: PHY 3513 or C.I. Introduction to the physics of polymers, colloids, surfactants using basic tools of statistical mechanics. Occasional.

PHZ 5437 COS-PHYS 3(3,0) Nanoscale Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.

PHZ 5445 COS-PHYS 3(3,0) Nanofabrication using Focused Ion Beam: PR: Graduate standing or C.I. Basic theory of ion-solid interaction; fundamental principle of focused ion beam instrumentation and its applications in nanofabrication; other ion beam techniques. Offered Spring.

PHZ 5505 COS-PHYS 3(3,0) Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PHZ 5560 COS-PHYS 1(1,0) Special Relativity for Teachers: PR: Graduate status or senior standing or C.I. Length contraction, time dilation, simultaneity, conservation of mass-energy, conservation of momentum, Compton scattering. Occasional.

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 3019 HPA-LS 3(3,0) Administrative Law: PR: PLA 3014 or C.I. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 3115 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 3303 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 3315 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 4020 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 trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit. Occasional.


PLA 4263 HPA-LS 3(3,0) Evidence: PR: PLA 3104 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) Environmental Law: PR: PLA 3014. Analysis of copyright, trademark, and patent issues in cyberspace. Offered Fall, Odd Spring.

PLA 4554 HPA-LS 3(3,0) Criminal Law: PR: PLA 3014 or C.I. Principles and methods of legal reasoning, systematics and procedures used in preparation, trial and appeal of Tort cases. Fall, Spring.

PLA 4575 HPA-LS 3(3,0) Environmental Law: PR: PLA 3014 or C.I. Principles and methods of legal reasoning, systematics and procedures used in preparation, trial and appeal of Tort cases. Fall, Spring.

PLA 4583 HPA-LS 3(3,0) Cyber Law I: PR: PLA 3014. Analysis of copyright, trademark, and patent issues in cyberspace. Offered Fall, Odd Spring.

PLA 4703 HPA-LS 3(3,0) Professional Ethics and Liability: PR: PLA 3014. Ethical responsibilities of professionals. Canons of legal ethics, liability for professional malpractice. Fall, Spring.

PLA 4710 HPA-LS 1(1,0) Careers in Legal Studies: PR: Major in Legal Studies or C.I. Applications of Legal Studies. Students will explore options in legal studies, professional development, and ethics. Graded S/U. Occasional.

PLA 4734 HPA-LS 3(3,0) Advanced Legal Applications Computer Software: PR: PLA 3104 or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today's law firms and law-related fields. Occasional.

PLA 4764 HPA-LS 3(3,0) Labor Office Practices: PR: PLA 3104. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. Occasional.

PLA 4806 HPA-LS 3(3,0) Domestic Relations Law: PR: PLA 3014 and PLA 3615, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813 HPA-LS 3(3,0) Juvenile Law and Procedure: PR: PLA 3014 or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.


PLA 4863 HPA-LS 3(3,0) Entertainment Law: PR: PLA 3014 or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4866 HPA-LS 3(3,0) Advanced Entertainment Law: PR: PLA 4855. Legal complexities and regulations pertaining to the Entertainment Industry at an advanced level. Occasional.
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<td>POS 4742</td>
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</table>
Political Science Internship: PR: C.I. Internship work with the national, state, county or municipal government. Assignments with selected civic organizations, elected or appointed officials. May be repeated for credit. Occasional.

American Political Thought: From its sources to the 20th century, including liberalism, nationalism, the Federalist, the rise of industrialism, resulting social movements, modern variations. Odd Fall.

Modern Political Ideologies: A study of modern ideologies since the French Revolution including liberalism, capitalism, nationalism, fascism and anarchism. Occasional.

Political Theory: PR: POS 2041 or C.I. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. Occasional.

Ancient, Medieval and Early Modern Political Philosophy: Study of the development of political and social ideas in western thought from early Greece through the 17th century. Occasional.

Contemporary Political Theory: PR: Junior standing or C.I. Study of the contemporary debate about the status of rights, utilitarianism, and communism. Occasional.


Politics and Literature: PR: Junior standing. An examination of politics and the political process through the medium of literature. Occasional.

The State, Society, and the Individual: PR: Junior standing or C.I. The relationship between the state, society, and the individual by discussing the works of major philosophers. Odd Fall.

Contemporary Democratic Theory: PR: POS 2041 or C.I. Study of democratic theories, emphasizing contemporary Democratic Theory: POT 4314 COS-POLS 3(3,0) society, and the individual by discussing the works of major Junior standing or C.I. The relationship between the state, medium of literature. Political Science Internship: PR: C.I. Internship work with the national, state, county or municipal government. Assignments with selected civic organizations, elected or appointed officials. May be repeated for credit. Occasional.

Modern Political Ideologies: A study of modern ideologies since the French Revolution including liberalism, capitalism, nationalism, fascism and anarchism. Occasional.

Political Theory: PR: POS 2041 or C.I. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. Occasional.

Ancient, Medieval and Early Modern Political Philosophy: Study of the development of political and social ideas in western thought from early Greece through the 17th century. Occasional.

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RED 3100 ED-CFC 3(4,0)

RED 4043 ED-TL&L 3(3,0)
Curriculum and Assessment in Kindergarten Through Grade 12: PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum; principles, strategies, assessment, and promising practices. Fall, Spring.

RED 4311 ED-CFC 3(3,0)
Primary Reading, Writing, and Language Arts Curriculum and Assessment: PR: RED 3012 and RED 3310; CR: EEC 3940. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. Fall.

RED 4519 ED-TL&L 3(3,1)

RED 4942 ED-TL&L 3(3,0)
Practicum for Assessment and Instruction of Reading: PR: RED 4519. Corequisite: Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

RED 5147 ED-TL&L 3(3,0)

RED 5517 ED-TL&L 3(3,1)
Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5514 or equivalent. Classroom diagnosis and prescriptive 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. An introduction to the real estate industry; the sale, lease, and marketing of commercial and residential real estate. 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: RED 3043, REE 3433; open to majors or minors which require this course. Political, cultural, institutional and scientific mechanisms which shape environmental policy. The effects of hazard, risk and uncertainty in policy development. Occasional.

REE 4103 BA-FIN 3(3,0)
Real Estate Appraisal and Valuation: PR: FIN 3403C. Focus on the fundamentals of real estate valuation; understanding tools of financial and economic analysis. Occasional.

REE 4203 BA-FIN 3(3,0)
Commercial Real Estate Finance: PR: FIN 3403C; open to majors or minors which require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.

REE 4204 BA-FIN 3(3,0)
Residential Real Estate Finance: PR: FIN 3403C; open to majors or minors which require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.

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: RED 3043 and RED 3433, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Cases cover the entire planning process for a real estate development or redevelopment project. Occasional.

REL 2000 CAH-PHIL 3(3,0)
Introduction to Religious Studies: Introduction to the academic study of religion; exploration of the phenomenon of religion and critical thinking about the question: What is religion? Fall.

REL 2300 CAH-PHIL 3(3,0)
World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.

REL 2300H CAH-PHIL 3(3,0)

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)

REL 3131 CAH-PHIL 3(3,0)

REL 3340 CAH-PHIL 3(3,0)
Buddhist Thought: PR: HUM 2320 or REL 2300 or C.I. Teachings of Buddhism and their contemporary application. Odd Fall.

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)

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 4(3,3)
Introduction to Respiratory Care.: PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamental respiratory principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab Fall.

RET 3269C HPA-HP 4(3,3)
Mechanical Ventilation: PR: RET 3026C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.

RET 3493C HPA-HP 3(2,3)
Respiratory Clinical Assessment: PR: RET 3026C or C.I. Demonstration of physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. Spring.

RET 3494C HPA-HP 3(3,0)
Cardiopulmonary Physiology: PR: PCB 3703C. Normal ventilation, lung mechanics, pulmonary circulation, diffusion, and blood gases, with an emphasis toward diagnostic cardiology. Fall.

RET 3717C HPA-HP 3(3,0)
Pediatric Respiratory Care: PR: RET 3026C. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. Spring.

RET 3884L HPA-HP 5(0,16)

RET 3885L HPA-HP 8(0,24)
Clinical Practice II: PR: C.I. Patient care with advanced respiratory equipment. Tracheostomy care. Introduction to cardiopulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment. Fall.

RET 4034 HPA-HP 3(3,0)

RET 4246 HPA-HP 3(3,0)

RET 4287 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics I: PR: RET 4246. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiac imaging, and stress testing. Fall.

RET 4288 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics II: PR: RET 4246 and RET 4287. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. Spring.
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>RTE 4441</td>
<td>Vascular Ultrasound</td>
<td>4(3.3)</td>
<td>Study of application of ultrasound in diagnosis of vascular diseases. Includes doppler and color flow doppler examination of arterial and venous systems. Occasional.</td>
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<tr>
<td>RTE 4443</td>
<td>Advanced Cardiac Ultrasound</td>
<td>4(3.3)</td>
<td>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.</td>
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<tr>
<td>RET 4465C</td>
<td>Pulmonary Function Studies</td>
<td>4(3.3)</td>
<td>PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. Occasional.</td>
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<tr>
<td>RET 4505</td>
<td>Chest Medicine</td>
<td>3(3.0)</td>
<td>PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. Spring.</td>
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<tr>
<td>RET 4536</td>
<td>Cardiopulmonary Rehabilitation</td>
<td>3(3.0)</td>
<td>PR: RET 3026C &amp; RET 3426C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. Spring.</td>
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<tr>
<td>RTE 4715</td>
<td>Neonatal Medicine</td>
<td>3(3.0)</td>
<td>PR: RET 3714C or C.I. Fetal development, neonatal physiology, gas transport in the fetus and newborn. Congenital abnormalities, infections, diseases of the newborn. Resuscitation of the neonate. Fall.</td>
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<tr>
<td>RTE 4866L</td>
<td>Clinical Practice III</td>
<td>8(0.24)</td>
<td>PR: RET 3885. Care of patients with more complex diseases. Pulmonary function studies. Pediatric and neonatal critical care. Echo and cardiac catheterization. Emergency and trauma. Spring.</td>
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<tr>
<td>RTE 4934</td>
<td>Selected Topics in Respiratory Therapy</td>
<td>2(2.0)</td>
<td>PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. Spring.</td>
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<tr>
<td>RET 5910</td>
<td>Research Methods in Cardiopulmonary Physiology</td>
<td>3(3.0)</td>
<td>PR: C.I. The study of radiologic examination of the chest. Emphasis on the use of the chest in the diagnosis of cardiopulmonary disease.</td>
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<tr>
<td>RTE 3000</td>
<td>Introduction to Radiologic Sciences</td>
<td>3(3.0)</td>
<td>PR: Admission to Radiologic Sciences program. Orientation to career field, radiation protection, principles and procedures of medical imaging and radiation therapy. Fall.</td>
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<tr>
<td>RTE 3111C</td>
<td>Introduction to Patient Care</td>
<td>2(1.5,1.5)</td>
<td>PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiology. Fall.</td>
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<tr>
<td>RTE 3116</td>
<td>Advanced Patient Care</td>
<td>3(3.0)</td>
<td>PR: RTE 3111C or C.I. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, pediatrics and interventional procedures. Spring.</td>
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<tr>
<td>RTE 3308</td>
<td>Medical Physics</td>
<td>3(3.0)</td>
<td>PR: RTE 3664C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. Occasional.</td>
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<td>RTE 3418C</td>
<td>Principles of Radiographic Exposure I</td>
<td>3(2.5,1.5)</td>
<td>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.</td>
</tr>
<tr>
<td>RTE 3457C</td>
<td>Principles of Radiographic Exposure II</td>
<td>3(2,5,1.5)</td>
<td>PR: RTE 3418C. C.I. Study of technical and graphic processing variables influencing conventional, radiographic and digital image quality. Spring.</td>
</tr>
<tr>
<td>RTE 3503C</td>
<td>Radiographic Procedures I</td>
<td>3(2.3)</td>
<td>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.</td>
</tr>
<tr>
<td>RTE 3513C</td>
<td>Radiographic Procedures II</td>
<td>3(2.3)</td>
<td>PR: RTE 3503C or C.I. Continuation of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the shoulder, bony thorax, lower extremity, vertebral column, cranium, and facial bones. Spring.</td>
</tr>
<tr>
<td>RTE 3614</td>
<td>Physics of Image Production</td>
<td>2(2.0)</td>
<td>PR: College Physics II. Principles of diagnostic imaging, including radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation. Fall.</td>
</tr>
<tr>
<td>RTE 3804L</td>
<td>Clinical Education I</td>
<td>2(0.8)</td>
<td>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.</td>
</tr>
<tr>
<td>RTE 3814L</td>
<td>Clinical Education II</td>
<td>4(0.16)</td>
<td>PR: RTE 3804L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. Spring.</td>
</tr>
<tr>
<td>RTE 4202</td>
<td>Methods in Radiology Management</td>
<td>3(3.0)</td>
<td>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.</td>
</tr>
<tr>
<td>RTE 4209</td>
<td>Radiological Administrative Practice</td>
<td>2(0.8)</td>
<td>PR: Admission to Radiologic Sciences program. Orientation to career field, radiation protection, principles and procedures of medical imaging and radiation therapy. Fall.</td>
</tr>
<tr>
<td>RTE 4473</td>
<td>Quality Improvement</td>
<td>3(3.0)</td>
<td>PR: Registered technologist or Senior standing. The study of quality improvement and quality control from the perspective of radiology services. Spring.</td>
</tr>
<tr>
<td>RTE 4563</td>
<td>Special Radiographic Procedures</td>
<td>2(2.0)</td>
<td>PR: RTE 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. Occasional.</td>
</tr>
<tr>
<td>RTE 4573</td>
<td>Advanced Imaging Modalities</td>
<td>3(3.0)</td>
<td>PR: RTE 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. Occasional.</td>
</tr>
<tr>
<td>RTE 4574</td>
<td>Computed Tomography Protocols</td>
<td>1(1.0)</td>
<td>PR: Senior level status in Radiologic Sciences program. Examines the application of imaging techniques accomplished by multi-detector row computed tomography acquisition. Fall.</td>
</tr>
<tr>
<td>RTE 4579</td>
<td>Magnetic Resonance Imaging Protocols</td>
<td>1(1.0)</td>
<td>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.</td>
</tr>
<tr>
<td>RTE 4765</td>
<td>Anatomy for the Medical Imager</td>
<td>3(3.0)</td>
<td>PR: C.I. Study of the radiologic science in the diagnosis and treatment of disease. Spring.</td>
</tr>
<tr>
<td>RTE 4824L</td>
<td>Clinical Education V-A</td>
<td>5(0.20)</td>
<td>PR: RTE 3814L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on the pelvis, bony thorax, vertebral column and mobile radiography. Occasional.</td>
</tr>
<tr>
<td>RTE 4834L</td>
<td>Clinical Education IV</td>
<td>6(0.24)</td>
<td>PR: RTE 3824L. Supervised clinical practice in radiographic/fluoroscopic procedures, mobile radiography and rotations through specialized imaging. Fall.</td>
</tr>
<tr>
<td>RTE 4844L</td>
<td>Clinical Education V-B</td>
<td>4(0.16)</td>
<td>PR: RTE 3844L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranial, facial bones, sinuses and special procedures. Spring.</td>
</tr>
<tr>
<td>RTE 4854L</td>
<td>Advanced Clinical Practicum</td>
<td>4(0.16)</td>
<td>PR: RTE 3845L 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.</td>
</tr>
<tr>
<td>RTE 4903</td>
<td>Directed Study in Radiologic Education</td>
<td>2(0.8)</td>
<td>PR: RTE 3854L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranial, facial bones, sinuses and special procedures. Spring.</td>
</tr>
<tr>
<td>RTV 2102</td>
<td>Writing for the Electronic Media</td>
<td>3(3.0)</td>
<td>PR: ENC 3711 or ESC 4302 or C.I. Directed activity in classroom instruction in electronic technology. Occasional.</td>
</tr>
<tr>
<td>RTV 3007</td>
<td>Development and Structure of Electronic Media</td>
<td>3(3.0)</td>
<td>PR: SPC 1608 or C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. Fall.</td>
</tr>
<tr>
<td>RTV 3101</td>
<td>Broadcast Copywriting</td>
<td>3(1.2)</td>
<td>PR: RTV Majors only, Grammar Proficiency Examination and School Typing Exam. Preparation of written public service and commercial copy for radio and television. Occasional.</td>
</tr>
<tr>
<td>RTV 3200</td>
<td>Production Fundamentals and Aesthetics of Electronic Media</td>
<td>3(3.0)</td>
<td>PR: C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems. Fall, Odd Spring.</td>
</tr>
<tr>
<td>RTV 3210C</td>
<td>Audio Production I</td>
<td>3(2.1)</td>
<td>PR: RTV 3200 and RTV Major Production Specialization. Audio production theory and recording techniques utilizing various microphone types, and digital non-linear audio computer-based editing equipment. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&amp;S fee $30.00</td>
</tr>
</tbody>
</table>
RTV 3223C COS-COMM 3(2,1) Lighting for Video: PR: RTV 3228C or RTV 3260C, and RTV Major - Production Specialization. Basics of television lighting techniques for studio and location. Significant work in the RTV lab facility outside of class. Odd Fall, Spring. M&S fee $30.00

RTV 3228C COS-COMM 4(3,1) Study of Television Production: PR: RTV 3202 and RTV Major - Production Specialization. Analog and digital television production including audio and video switching. Practice managing and leading teams to produce broadcast media. Significant work in the RTV lab 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. An introduction to the disciplines of announcing and performance. Involves the study of history and theory. Significant work in the RTV lab facility outside of class. Odd Fall, Even Spring. 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 video news gathering (ENG) and electronic field production (EFP). Significant work in the RTV lab 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. Significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee $15.00

RTV 3283C COS-COMM 3(2,1) Production of Interactive Multimedia: PR: COS 1060C; major status in R-TV, Ad-PR, Journalism, Organizational Communication, Telecommunications, Telecommunications. Significant work in the RTV lab 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. Evening and nonscheduled students interested in producing and practicing journalism. Significant work in the RTV lab facility outside of class. Odd Fall. M&S fee $15.00

RTV 3304 COS-COMM 3(3,0) Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - Broadcast Journalism Specialization. Evening and nonscheduled students interested in producing and practicing journalism. Significant work in the RTV lab facility outside of class. Odd Fall. M&S fee $15.00

RTV 3942L COS-COMM 1-3(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. Significant work in the RTV lab 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. Significant work in the RTV lab facility outside of class. Odd Fall, Even Spring. M&S fee $15.00

RTV 4271C COS-COMM 3(2,1) Radio Production and Programming: PR: RTV 3202 and RTV Majors. Study and production of current radio formats to develop technical and aesthetic requirements of radio news gathering. Significant work in the RTV lab facility outside of class. Fall.

RTV 4280C COS-COMM 3(2,1) Webcasting: PR: RTV 3202 and RTV Major. Presentation of broadcast media on the internet. Significant work in the RTV lab facility outside of class. Occasionally. 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. Significant work in the RTV lab facility outside of class. Occasionally. 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. 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. Supervised broadcast news experience and/or practice in the weekly UCF news program. Significant work in the RTV lab facility outside of class. Occasionally.

RTV 4403 COS-COMM 3(3,0) Electronic Media, Technology, and Society: PR: C.I. RTV 3007. Significant work in the RTV lab facility outside of class. Odd Fall.

RTV 4505 COS-COMM 3(3,0) Sports Programming in Electronic Media: PR: SPC 1608 or COM 1000 or RTV 3007 or C.I. Significant work in the RTV lab facility outside of class. Occasionally.

RTV 4505S COS-COMM 3(2,1) Program Issues for TV & Motion Pictures: PR: RTV 3007 or FIL 2030 or C.I. Examination of program development strategies and issues in television and motion pictures. Significant work in the RTV lab facility outside of class. Occasionally.

RTV 4700 COS-COMM 3(3,0) Regulation of Broadcasting: PR: RTV Majors only, RTV 3007. Preparation for regulatory examination and practice in the regulation of broadcasting. Significant work in the RTV lab facility outside of class. Occasionally.

RTV 4800 COS-COMM 3(3,0) Broadcast Management: PR: RTV Majors only. Preparation for broadcast management problems in broadcast operations. Significant work in the RTV lab facility outside of class. Occasionally.

RUS 1120 CAH-LANG 4(4,1) Elementary Russian Language and Civilization I: PR: C.I. Russian or equivalent. Introduction to the Russian language through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in the language. Odd Spring.


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. Odd Spring.

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. Odd Spring.

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 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.

SCE 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.

SCE 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.

SCE 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-CFCS 3(3,0) Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum. Fall.

SCE 4360 ED-TL&L 4(3,2) Science Instructional Analysis: PR: EDG 4323 or C.I. Course objectives for a school curriculum and methods and materials for the middle grades and high school. Fall, Spring. M&S fee $8.00

SCE 4361 ED-TL&L 3(3,0) Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. Spring.

SCE 5325 ED-TL&L 3(3,0) Teaching Middle School Science: PR: EDG 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 education special methods course is designed to build 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. Corequisite or C.I. Introduction to space and physical science, manned space flight, and space education curriculum. 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) Generalist Field Education I: PR: Admission to MSW program. Supervised practice of social work in an agency for 224 clock hours. Graded S/U. Odd Fall, Even Spring.


SOW 5454 HPA-SOWK 3(3,0) Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. Generalist Field Education I-III. Students will develop skills for completion of generalist social work practice in community settings. Graded S/U. Fall.

SOW 5503 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 3(3,0) Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: Generalist Field Education I-III. 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 5566 HPA-SOWK 2(2,0) Part-Time MSW Generalist Field Education and Seminar II: 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.I. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. Occasional.

SOW 5625 HPA-SOWK 3(3,0) Social Work with Women: Alternative approaches to the treatment of women in the urban setting. Occasional.

SOW 5642 HPA-SOWK 3(3,0) Aging in Social Situations: PR: Admission to MSW program or Gerontology certificate program or C.I. Knowledge about elderly in social situations or environmental context. Occasional.

SOW 5662 HPA-SOWK 3(3,0) Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. Occasional.


SPA 3011 HPA-COM SCDIS 3(3,0) Speech Science I: Production: PR: SPA 3112. CR: SPA 3011L. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPA 3011L HPA-COM SCDIS 1(0,1) Speech Production Lab: PR: SPA 3112. CR: SPA 3011L. Physiological and acoustic measurement of speech production. Graded S/U.

SPA 3101 HPA-COM SCDIS 3(3,0) Physiological Bases of Speech and Hearing: PR: or CR: SPA 3471. Introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.

SPA 3104 HPA-COM SCDIS 3(3,0) Neural Bases of Communication: PR: or CR: SPA 3471. Structures and functions of the nervous system involved in communication and its disorders. Fall, Spring.


SPA 3122 HPA-COM SCDIS 3(3,0) Basic Phonetician I: Speech Science: PR: SPA 3011L. Basic Phonetician I. Physiological descriptions and visual notation of standard speech patterns and regional dialects. Fall, Spring.

SPA 3122L HPA-COM SCDIS 1(0,1) Basic Phonetics Lab: CR: SPA 3122. Practice in the transcription of normal and deviant speech samples. Graded S/U. Fall, Spring.

SPA 3123 HPA-COM SCDIS 3(3,0) Speech-Language Hearing I: PR: CR: SPA 3011, SPA 3112. CR: SPA 3123L. How the perception of human speech differs from that of other auditory signals. Fall, Spring.


SPA 3412 HPA-COM SCDIS 3(3,0) Brain Stories: A Communication Disorders Perspective: PR: SPA 3471 (may be taken as corequisite). How the perception of human speech differs from that of other auditory signals. Fall, Spring.

SPA 3471 HPA-COM SCDIS 3(3,0) Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing psychosocial, academic, vocational, and familial challenges as well as society's perceptions of individuals with communication disorders. Fall, Spring.

SPA 3472 HPA-COM SCDIS 3(3,0) Guidance of Young Children with Communication Disorders: PR: SPA 3471. Social, emotional, and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. Fall, Spring.

SPA 3502 HPA-COM SCDIS 3(3,0) Communication Disorders in the Deaf and Hard of Hearing Population: PR: ASL 2010 or C.I. Speech, language, and hearing problems in the DeHH population, including etiology, pathology, and management of hearing disorders. Occasional.


SPA 4201 HPA-COM SC&D 3(3,0) Articulation And Phonological Disorders: PR: SPA 3302, SPA 3112. The etiology, assessment, and management of articulation and phonological disorders, including those associated with structural variations and neutromotor disorders. Occasional. M&F fee $15.00

SPA 4241 HPA-COM SC&D 3(3,0) Genetic Aspects of Communication Disorders: PR: BSC 2010C. Junior or senior standing. Theoretical framework for understanding the interactions between genetical and the genetic aspects of communication and feeding disorders. Spring.


SPA 4476 HPA-COM SC&D 3(3,0) Speech Disorders Across the Lifespan: PR: SPA 3471, SPA 3101, and SPA 3112. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing. Fall, Spring.


SPA 4501L HPA-COM SC&D 3(0,3) Undergraduate Clinical Practicum: PR: SPA 4476 and senior standing. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Fall, Spring. M&F fee $45.00

SPA 4555 HPA-COM SC&D 3(3,0) Counseling in Communication Disorders: PR: SPA 4550C or C.I. Practical interviewing and counseling in the area of communication disorders. Spring.

SPA 4580 HPA-COM SC&D 3(3,0) Augmentative and Alternative Communication Systems: PR: LIN 3717 or C.I. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.

SPA 4634 HPA-COM SC&D 3(3,0) Educational Implications of Deafness: PR: ASL 2510. Impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803 HPA-COM SC&D 3(3,0) Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.

SPA 4870C HPA-COM SC&D 3(2,1) Capstone Course: PR: or CR: All required CS&D courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.
SPN 1170 CAH-LANG 8(16,10)
Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. Occasional.

SPN 2200 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization I: PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

SPN 2200H CAH-LANG 3(3,1)
Honors Intermediate Spanish: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. Fall.

SPN 2201 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. Occasional.

SPN 2240 CAH-LANG 3(3,1)
Intensive Spanish Conversation: PR: One year of Spanish or equivalent. Practical use of the language, leading toward fluency and correctness in speaking at the intermediate level. Occasional.

SPN 2241 CAH-LANG 3(3,0)

SPN 2340 CAH-LANG 3(3,0)
Spanish for Native Speakers: PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. Occasional.

SPN 2341 CAH-LANG 3(3,0)
Advanced Spanish for Native Speakers: PR: SPN 2340 or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasis composition skills. Occasional.

SPN 2511 CAH-LANG 3(3,0)
Modern Spanish Civilization Abroad: PR: SPN 1120C & SPN 1121C. This intensive course will focus on modern Spanish culture using examples from present day society. Cultural visits and realia are essential components of this course. Occasional.

SPN 3140 CAH-LANG 3(3,0)
Business Spanish I: PR: SPN 2200 and SPN 2201 or equivalent. Basic business terminology, business culture, and business topics related to the Hispanic world. Odd Fall.

SPN 3141 CAH-LANG 3(3,0)

SPN 3142 CAH-LANG 3(3,0)
Business Spanish III: PR: C.I. Continuation of Business Spanish II. Even Fall.

SPN 3234 CAH-LANG 3(3,0)
Advanced Directed Readings: PR: SPN 2200 or C.I. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers. Fall, Spring.

SPN 3300 CAH-LANG 3(3,0)
Advanced Spanish Grammar and Composition: PR: SPN 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. Fall, Spring.

SPN 3343 CAH-LANG 3(3,0)
Advanced Rhetoric for Native Speakers: PR: Third year level oral proficiency. Systematic study of Spanish grammar as applied to rhetoric in standard Spanish for native speakers only. Occasional.

SPN 3344 CAH-LANG 3(3,0)
Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. Fall.
SPW 4801 CAH-LANG 3(3,0)

SPW 3000H CAH-LANG 3(3,0)
Honors: Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing. Students will analyze, discuss and research English translations of Spanish and Latin American Nobel-Prize-Winning writers. Through readings, students will explore the universality of Spanish literature. Occasional.

SPW 3100 CAH-LANG 3(3,0)
Survey of Spanish Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century. Fall.

SPW 3101 CAH-LANG 3(3,0)
Survey of Spanish Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

SPW 3130 CAH-LANG 3(3,0)
Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the colonial period to Nineteenth Century Romanticism. Fall.

SPN 3300 CAH-LANG 3(3,0)

SPN 3370, SPN 3420 and SPN 3300, or C.I. A study of representative authors and works in Spanish Romanticism, Realism, and Naturalism. Occasional.

Cervantes: PR: SPN 3100 or C.I. Don Quixote. Occasional.

SPW 4720 CAH-LANG 3(3,0)
The Generation of 1898: PR: SPN 3101 or C.I. A study of the generation’s main authors and their works. Occasional.

SPW 4730 CAH-LANG 3(3,0)
Hispanic Literature of the United States: PR: SPW 3101 or SPW 3311 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.

SPW 4770 CAH-LANG 3(3,0)
Caribbean Spanish Literature: PR: SPN 3101 or SPN 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPW 4772 CAH-LANG 3(3,0)
Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPN 3131 or C.I. Analysis and discussion of representative contemporary works of authors who have included the black character as part of their narrative. Occasional.

SPW 4773 CAH-LANG 3(3,0)

SPW 5741 CAH-LANG 3(3,0)
Contemporary Spanish American Southern Cone Literature: PR: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. Occasional.

SPW 5780 CAH-LANG 3(3,0)
Jewish Culture in Latin America: PR: Spanish M.A. program or graduate student proficient in Spanish. History of the arrival of Jews in Latin America and studies of Latin-American Jewish authors and literature. Will be taught in Spanish, including all readings. Occasional.

SSE 3312 ED-TL&L 3(3,0)
Teaching Social Science in the Elementary School: PR: EDG 4410 or C.I. Selected themes, problems, and concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring.

SSE 4361 ED-TL&L 4(4,0)
Social Science Instructional Analysis: PR: EDG 4323 or C.I. CR: ESE 9340 or C.I. Analysis of secondary (grades 6-12) social science instructional programs including development of objectives, materials, processes, and assessment procedures in light of current research and practice. Fall, Spring.

SSE 4936 ED-TL&L 3(3,0)
Programs in Teaching Social Science: PR: Admission to the Bachelor of Science in Social Science Education program. Special programs, strategies, and materials for middle and secondary social science majors. Fall.

SSE 5391 ED-TL&L 3(3,0)
Global Education: Theory and Practice: PR: Graduate standing or C.I. A study of theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. Spring.

SSE 5776 ED-TL&L 3(3,0)
Democracy and Education: PR: Graduate standing or C.I. Explores the intersection of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. Fall.

SSE 5790 ED-TL&L 3(3,0)
Inquiry and Instructional Analysis in Social Science Education: PR: Admission to M.A. program or alternative certification certificate program. Study of instructional analysis in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. Occasional.

STA 1060C COS-STAT 3(2,1)
Basic Statistics Using Microsoft Excel: Applications of Excel; manipulating data; single and multiple variable graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.

STA 2014C COS-STAT 3(2,1)

STA 2023 COS-STAT 3(3,0)
Statistical Methods I: PR: MAC 1105C or MAC 2233. First methods course in probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3,0)
Honors Statistical Methods I: PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-IEMS 3(3,0)
Probability and Statistics for Engineers: PR: MAC 2312. Axioms of probability; combinatorial and geometric probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032H ECS-IEMS 3(3,0)
Honors Probability and Statistics for Engineers: PR: MAC 2312 and honors standing. Fundamentals of probability and statistical principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3096 COS-STAT 3(3,0)

STA 4102 COS-STAT 3(3,0)
Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

STA 4130 COS-STAT 3(3,0)
Life Contingencies I: PR: STA 4183 (or old number STA 3183). Economics of insurance, utility theory, single premiums for insurances and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.

STA 4131 COS-STAT 3(3,0)
UCF Courses and Descriptions

STA 4163 COS-STAT 3(3,0) Statistical Methods II: PR: STA 2023 or STA 3032. Not credit for students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4164 COS-STAT 3(3,0) Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariation and multiple comparisons. Fall, Spring.

STA 4173 COS-STAT 3(3,0) Biostatistical Methods: CR: STA 4163 or C.I. Applied statistical principles and methods applied to problems in medical, biological, and health sciences. Occasional.

STA 4183 COS-STAT 3(3,0) Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors, Amortized loans, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.

STA 4184 COS-STAT 3(3,0) Introduction to Derivative Markets: PR: STA 4163 or C.I. Cash flow and profit for simple options and forwards, binomial models, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, callable bonds. Spring.

STA 4186 COS-STAT 3(3,0) Theory of Derivative Pricing: PR: STA 4184 or C.I. Assumptions of derivative pricing, put-call parity, binomial pricing, market making, data hedging, exotic options, distributions, Monte Carlo distributions, Brownian motion, interest rate models. Spring.


STA 4231 COS-STAT 3(3,0) Statistical Theory I: PR: STA 2023 or STA 3032; CR: MAC 2313. Probability axioms, discrete and continuous random variables, standard probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. Fall.


STA 4502 COS-STAT 3(3,0) Nonparametric Statistical Methods: PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. Occasional.


STA 4664 COS-STAT 3(3,0) Statistical Quality Control: PR: STA 2023 or STA 3032. Statistical concepts and methods applied to the control of quality of manufactured products. Occasional.

STA 4672 COS-STAT 3(3,0) Actuarial Statistical Methods: PR: STA 2023 and STA 4163. Graduate status or senior standing or C.I. Data analysis, introduction to series analysis of insurance and financial data. Occasional.


STA 4939 COS-STAT 3(3,0) Problems in Actuarial Science: PR: STA 4322. Fundamental mathematical and statistical tools for quantitatively assessing risk; application of these tools to problems in actuarial science. May be repeated for credit. Occasional.

STA 4942 COS-STAT 3(3,0) Practicum in Actuarial Science: PR: STA 4163 or STA 6185. Discussion and presentation by actuarial practitioners. Occasional.


STA 5103 COS-STAT 3(3,0) Advanced Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages, data manipulation, graphical data presentation; data analysis; creating analytical reports. Fall.

STA 5139 COS-STAT 3(3,0) Credibility Theory and Loss Distribution: PR: STA 4322, graduate status or senior standing, or C.I. Full and partial credibility. The credibility premium. Extrinsic and intrinsic estimation of credibility. Loss models for claim severities and frequencies. Aggregate claims models. Fall.

STA 5175 COS-STAT 3(3,0) Biometry: PR: STA 2023, graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biological/ecological application; one-way and multi-way ANOVA; regression; ordination; classification. Spring.

STA 5176 COS-STAT 3(3,0) Introduction to Biostatistics: PR: STA 4163 or STA 4173. graduate status or senior standing, or C.I. Fixed-effects model, random-effects model, repeated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.

STA 5205 COS-STAT 3(3,0) Experimental Design: PR: STA 4164, STA 5206 or STA 4322, graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication; incomplete block designs; factorial and fractional designs; design resolution. Spring.

STA 5206 COS-STAT 3(3,0) Statistical Analysis: PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation, tests of hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.

STA 5505 COS-STAT 3(3,0) Categorical Data Methods: PR: STA 4163 or STA 4930, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including logistic modeling, regression, McNemar's Test, Mantel-Haenszel test. Occasional.


STA 5703 COS-STAT 3(3,0) Data Mining Methodology I: PR: STA 5103 and STA 5206, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. Fall.

STA 5825 COS-STAT 3(3,0) Stochastic Processes and Applied Probability Theory: PR: STA 4321, and graduate status or senior standing or C.I. Conditional probability and conditional expectations, sequences of random variables, branching processes, random walks, Markov chains, recurrent events, renewal theory, queuing theory, and simple stochastic processes. Spring.

STA 5940 COS-STAT 1(1,0) Statistical Advice for Researchers: PR: Graduate status or senior standing or C.I. Discussion of student-supplied statistical problem, data sources, sampling techniques, computer package usage, data analysis, interpretation. May be repeated for credit. Graded S/U. Occasional.

STA 5948 COS-STAT 3(3,0) Actuarial Science Practicum: PR: STA 4163 or STA 6185. Study and projects on problems in actual practice; discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.

SUR 2101C ECS-CECE 2(3,0) Surveying: PR: MAC 2311 and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. Spring.

SYA 3110 COS-SOC 3(3,0) Social Theory: PR: Junior standing and 9 hours of upper level sociology courses or C.I. Theories concerning the "nature of man" and "social being." The nature of society from the beginnings of the scientific study of human life to World War II. Spring.

SYA 3120 COS-SOC 3(3,0) Contemporary Social Theory: PR: Junior standing and 9 hours of upper level sociology courses or C.I. A study of major European and American contributors to modern sociology since World War II. Occasional.

SYA 3400C COS-SOC 4(3,1) Applied Social Statistics: PR: SYG 2000 and one other sociology course. Application of statistical techniques to sociological data as conducted in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists. Fall.


SYA 4300C COS-SOC 4(3,2) Research Methods: PR: SYG 2000 or SYG 2010 or C.I. Sociological data collections, sampling techniques, grant proposal development, critical evaluation of social research, and relationship between theory and social research. Fall.

SYA 4310C COS-SOC 4(3,1) Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. Occasional.
SYA 4450 COS-SOC 4(3.2)
Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.

SYA 4650C COS-SOC 3(2.2)

SYA 5625 COS-SOC 3(3.0)
ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive social 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 3410 COS-SOC 3(3.0)

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 3750 COS-SOC 3(3.0)

SYD 3751 COS-SOC 3(3.0)

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 4020 COS-SOC 3(3.0)

SYD 4510 COS-SOC 3(3.0)
Environment and Society: PR: SYG 2000 or C.I. Applies the sociological perspective and sociological methods of analysis to the relationships between human behavior and the environment. Odd Spring.

SYD 4514 COS-SOC 3(3.0)

SYD 4810 COS-SOC 3(3.0)
Women in Contemporary Society: PR: SYG 2000 or WST 3015 or C.I. Examination and evaluation of the status of women in the context of the major social institutions (e.g., family, education, religion, economy and polity). Fall, Spring.

SYD 4813 COS-SOC 3(3.0)

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)
Introduction to Sociology: Scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. Fall, Spring.

SYG 2000H PR: General Sociology: PR: Permission of Honors. Extended honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.

SYG 2010 COS-SOC 3(3.0)
Social Problems: PR: 2000 level social science course or C.I. 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(0.0)
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)

SYO 3360 COS-SOC 3(3.0)
Social Organization and Human Relations: Analysis of business, government, and industrial organizations. Topics include organizational theory, social systems, structural, effects of technology, motivation, leadership, decision-making, and human relations. Occasional.

SYO 3410 COS-SOC 3(3.0)
Patterns of Mental Health in Society: PR: SYG 2000 or C.I. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. Occasional.

SYO 3530 COS-SOC 3(3.0)
Social Power and Inequality: PR: SYG 2000 or C.I. Study of class, status and power, cultural variations in stratification systems; patterns of mobility and change. Occasional.

SYO 4100 COS-SOC 3(3.0)
Family Trends: PR: SYG 2000 or SYG 2010 or C.I. Intimate relationships, practices, trends and issues affecting today's marriages and families. Fall, Spring.

SYO 4200 COS-SOC 3(3.0)
Religion in Society: PR: SYG 2000 or C.I. The relationship between the religious institution and social stratification, family, education, as well as issues pertaining to gender, race, ethnicity, and age. Occasional.

SYO 4250 COS-SOC 3(3.0)
Education and Social Achievement: PR: SYG 2000 or C.I. This course examines the sociological dimensions of the educational institutions, including the impact of the social structure on learning and the role of education in social change. Occasional.

SYO 4300 COS-SOC 3(3.0)
Political Sociology: Sociological analysis of political and non-political groups; socioeconomic variable of voting behavior, power elites; societies and systems of government. Occasional.

SYO 4323 COS-SOC 3(3.0)
Community and Diversity: PR: SYG 2000 and junior standing. The formation of social systems in response to complex problems and the implementation of public policy. Emphasis on diverse perspectives and ethical positions and their effect on the form and effectiveness of social systems. Occasional.

SYO 4400 COS-SOC 3(3.0)
Medical Sociology: Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYP 3300 COS-SOC 3(3.0)
Fads, Crowds, and Social Action: PR: SYG 2000 or C.I. Analysis of relatively unstructured social situations, such as mobs, crowds, etc. as well as more structured forms of collective behavior such as social movements. Occasional.

SYP 3400 COS-SOC 3(3.0)

SYP 3510 COS-SOC 3(3.0)
Sociology of Deviant Behavior: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of the types of, and societal reactions to, deviant behavior with special emphasis on stigmatization. Spring.

SYP 3515 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 different types of homicides, offenders, victims, and circumstances. Fall.

SYP 3520 COS-SOC 3(3.0)

SYP 3530 COS-SOC 3(3.0)
Juvenile Delinquency: Types of delinquency behavior found among juveniles; possible causes and ways society attempts to treat the various forms of delinquency. Occasional.

SYP 3540 COS-SOC 3(3.0)

SYP 3551 COS-SOC 3(3.0)

SYP 3562 COS-SOC 3(3.0)

SYP 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 in reflecting American culture. Consideration is given to the nature of the popular music business. Occasional.

SYP 3630 COS-SOC 3(3.0)
Popular Culture In Society: PR: Junior Standing or C.I. Examines the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity and age. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 3650</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Social Movements and Revolutions:</td>
</tr>
<tr>
<td>SYP 4000</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Sociological Social Psychology: PR: SYG 2000 or C.I. Utilization of sociological concepts and theories to investigate sport as a social institution. Includes subjects of racism, sexism, drug abuse, violence, and current issues of sport. Occasional.</td>
</tr>
<tr>
<td>SYP 4004</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Constructing Social Issues: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of social problems as an emergent process that involves collective definitions and legitimating organizations. Topics include deviance, race, gender and popular culture. Occasional.</td>
</tr>
<tr>
<td>SYP 4304</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Social Movements and Revolutions: PR: SYG 2000 or C.I. Comparative sociology of revolutions and the sociological research on social movements. Occasional.</td>
</tr>
<tr>
<td>SYP 4454</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Global Inequality and Society: PR: SYG 2000 or C.I. Theoretical and empirical examination of the sociological basis of global stratification and the countervailing force of an emergent anti-globalization social movement. Occasional.</td>
</tr>
<tr>
<td>SYP 4514</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Patterns of Violence in Society: PR: SYG 2000 or SYG 2010 or C.I. Social roots, culture, circumstances, prevention, and control of violence. Occasional.</td>
</tr>
<tr>
<td>SYP 4524</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Crime Victims in Society: PR: SYG 2000 or SYG 2010 or C.I. Crime victims in society; topics include issues related to victimology such as victimization risks and societal treatment of victims. Occasional.</td>
</tr>
<tr>
<td>SYP 4536</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Gangs and Society: PR: SYG 2000 or SYG 2010 or C.I. Gangs in the U.S.; topics include types of gangs, gang members, activities, group processes, and societal responses to gangs. Occasional.</td>
</tr>
<tr>
<td>SYP 4550</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Patterns of Drug Abuse in Society: PR: SYG 2000 or C.I. Analysis of the socio-cultural elements of the drug... Occasional.</td>
</tr>
<tr>
<td>SYP 4730</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Patterns of Aging in Society: PR: SYG 2000 or SYG 2010 or C.I. Sociological aspects of aging in America. Fall. Spring.</td>
</tr>
<tr>
<td>SYP 4732</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Minority Aging: PR: SYG 2000 or SYG 3700 or SYP 4730 or SYG 2010 or C.I. A sociological examination of older populations within minority; ethnic minorities, women, and gay men and lesbians. Occasional.</td>
</tr>
<tr>
<td>SYP 5005</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Sociological Social Psychology: PR: Graduate standing or C.I. An exploration of sociological social psychological theories and their application in understanding the effects of society and groups on the individual. Occasional.</td>
</tr>
<tr>
<td>SYP 5525</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Sociological Criminology: PR: Graduate standing or C.I. To examine current sociological knowledge and research on various issues in Criminology, and to further students' skills in developing/conducting research projects. Occasional.</td>
</tr>
<tr>
<td>SYP 5566</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Seminar on Domestic Violence: Theory, Research and Social Policy: PR: Graduate status or senior standing or C.I. A sociological examination and evaluation of theories, empirical research and social policy related to the study of domestic violence. Occasional.</td>
</tr>
<tr>
<td>SYP 5565</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Sociology of Culture: PR: Graduate standing or C.I. Major theoretical approaches and empirical studies in the sociology of culture and analysis of cultural processes. Occasional.</td>
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<tr>
<td>Course Code</td>
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<tr>
<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>0.0</td>
<td>PR: Theatre Major; Senior Standing, evaluation of departmental exit critique. Graded S/U. Spring</td>
</tr>
<tr>
<td>TPA 2000C</td>
<td>Theatre Design Basics</td>
<td>3(2,2)</td>
<td>PR: BFA Design/Spec or Stage Management major, C (2.0) or better in THE 2020 or THE 2000. Basic design skills for scenic, lighting and costume designers using color, grayscale, textures and symmetry to create a strong stage presence. Fall.</td>
</tr>
<tr>
<td>TPA 2010C</td>
<td>Scenography</td>
<td>3(2,2)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 2000C and BFA Design and Technology or Stage Management major. Introduction to design for the stage, including scenery, lighting, costumes and sound. Occasional.</td>
</tr>
<tr>
<td>TPA 2011C</td>
<td>Theatre Rendering</td>
<td>3(2,2)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. Spring.</td>
</tr>
<tr>
<td>TPA 2170C</td>
<td>Introduction to Theatre Production Documentation</td>
<td>2(2,2)</td>
<td>PR: CGS 1060C. Presentation of information necessary to document design and production process. Spring.</td>
</tr>
<tr>
<td>TPA 2201</td>
<td>Technical Theatre Production</td>
<td>2(2,0)</td>
<td>PR: B.A. Theatre, B.F.A. Musical Theatre/Acting major or minor. PR: &quot;C&quot; (2.0) or better in THE 2020 or THE 2000; CR: TPA 2201L. Development, theory and practice of all areas of technical theatre production. Fall, Spring.</td>
</tr>
<tr>
<td>TPA 2201L</td>
<td>Technical Theatre Production Lab</td>
<td>1(0,6)</td>
<td>CR: TPA 2201L. Practical projects in scenic construction. Occasional. M&amp;S fee $15.00.</td>
</tr>
<tr>
<td>TPA 2210</td>
<td>Stagecraft I</td>
<td>3(3,0)</td>
<td>PR: B.F.A Design/Spec or Stage Management, CR: TPA 2210L. Development, theory, and practice of technical theatre production. Fall.</td>
</tr>
<tr>
<td>TPA 2211</td>
<td>Stagecraft Lab</td>
<td>1(0,6)</td>
<td>PR: or CR: &quot;C&quot; (2.0) or better in TPA 2210L. Practical projects in scenic construction. Occasional. M&amp;S fee $45.00.</td>
</tr>
<tr>
<td>TPA 2211L</td>
<td>Stagecraft Lab I</td>
<td>3(3,0)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L Hand-drafting, properties design, and construction. Spring.</td>
</tr>
<tr>
<td>TPA 2220C</td>
<td>Stage Electronics</td>
<td>3(2,2)</td>
<td>PR: or CR: THE 2020 or THE 2000 and BFA Design and Technology or Stage Management major. Introduction to electronics for the stage, including electricity, lighting equipment and sound equipment, CR: TPA 2220L. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. Fall.</td>
</tr>
<tr>
<td>TPA 2230C</td>
<td>Stage costume</td>
<td>3(2,2)</td>
<td>PR: THE 2020 or THE 2000; PR: BFA Design and Technology or Stage Management major. Lecture/laboratory study of the basic techniques used in the construction of stage costumes. Spring. M&amp;S fee $15.00.</td>
</tr>
<tr>
<td>TPA 2248C</td>
<td>Makeup Techniques</td>
<td>2(2,2)</td>
<td>PR: Theatre B.F.A. major or departmental consent. Theory and practice of stage makeup, Spring. M&amp;S fee $35.00.</td>
</tr>
<tr>
<td>TPA 2230L</td>
<td>Stage Participation-Production Production I</td>
<td>2(0,8)</td>
<td>PR: Theatre major or minor. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>TPA 2600</td>
<td>Stage Management Basics</td>
<td>3(3,0)</td>
<td>PR: &quot;C&quot; (2.0) or better in THE 2020 or THE 2000 and BFA Stage Management major. Functions and responsibilities of professional stage managers. Occasional.</td>
</tr>
<tr>
<td>TPA 2452C</td>
<td>Stage Design for Theatre I</td>
<td>3(2,2)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 2020C. Projects in the fundamentals of scenic design for the stage. Fall. M&amp;S fee $37.00.</td>
</tr>
<tr>
<td>TPA 2457C</td>
<td>Scene Painting</td>
<td>3(2,2)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 2000C and TPA 2071C. Projects in scene painting techniques. M&amp;S fee $45.00.</td>
</tr>
<tr>
<td>TPA 3191L</td>
<td>Summer Theatre Studio/Design I</td>
<td>3(2,0)</td>
<td>PR: Departmental consent by audition or interview. Continuation of TPA 3191L. May be repeated for credit. Occasional. M&amp;S fee $20.00.</td>
</tr>
<tr>
<td>TPA 3321C</td>
<td>Lighting Design for Theatre II</td>
<td>2(3,2)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 2101C and TPA 2220C. Projects in the fundamentals of lighting design for the stage. Spring. M&amp;S fee $37.00.</td>
</tr>
<tr>
<td>TPA 3349C</td>
<td>Advanced Makeup Techniques</td>
<td>2(2,2)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 2248C. Lecture/laboratory study of basic techniques needed for the creation of scenic and film prosthesis and masks. Occasional. M&amp;S fee $45.00.</td>
</tr>
<tr>
<td>TPA 3260C</td>
<td>Sound Design for Theatre II</td>
<td>3(2,2)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 2101C and TPA 2220C. Projects in the fundamentals of sound design for the stage. Spring.</td>
</tr>
<tr>
<td>TPA 3383C</td>
<td>Topics in Technical Theatre</td>
<td>2(2,4)</td>
<td>PR: TPA 2201C. Techniques used in the production of scenery or costumes for the stage. Variable Topics. May be used in the degree program a maximum of 5 times. Occasional. M&amp;S fee $35.00.</td>
</tr>
<tr>
<td>TPA 3601</td>
<td>Stage Management</td>
<td>3(3,0)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 2600. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. Fall.</td>
</tr>
<tr>
<td>TPA 4041C</td>
<td>Costume Design for Theatre II</td>
<td>3(2,2)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 3040C. A continuation of TPA 3040C. Spring.</td>
</tr>
<tr>
<td>TPA 4061C</td>
<td>Scenic Design for Theatre II</td>
<td>3(2,2)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 3000C. Project based work in student's area of concentration. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>TPA 4066C</td>
<td>Advanced Scenography</td>
<td>3(2,2)</td>
<td>PR: TPA 3060C, TPA 3000C and TPA 3221C. Project based work in student's area of concentration. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>TPA 4224C</td>
<td>Lighting Design for Theatre II</td>
<td>3(2,2)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 3221C. Project lighting design work with an emphasis on visualization of design concepts, professional graphics, and paperworks standards and practices. Occasional. M&amp;S fee $37.00.</td>
</tr>
<tr>
<td>TPA 4250C</td>
<td>CADD for Theatre</td>
<td>2(2,2)</td>
<td>PR: &quot;C&quot; (2.0) or better in TPA 2211, TPA 2221L and TPA 2170C. Computer-aided drafting and design and its application for Theatre. Occasional. M&amp;S fee $25.00.</td>
</tr>
</tbody>
</table>
| TPA 4251C   | Advanced CADD for Theatre                     | 2(2,2)  | PR: "C" (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design and its application for Theatre. Spring. M&S fee $35.75.
UCF Courses and Descriptions
TPA 4264C
CAH-THEA
3(2,2)
Sound Design for Theatre II: PR: “C” (2.0) or better
in TPA 3260C. 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 2290L. 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 5405
CAH-THEA
3(3,0)
Theatre Management for Non-Majors: PR: THE
2020 or THE 2000, graduate status, or C.I. Study of university, community and professional theatre management with
special attention to the principles of management to include
management skills/function and organizational systems/
performance as they relate to theatre organizations/institutions. Fall.
TPA 5885C
CAH-THEA
2(2,2)
Puppetry: PR: Admission to MFA graduate program or
C.I. Puppetry as an art form in design and performance.
Odd Spring. M&S fee $30.00
TPA 5946C
CAH-THEA
1(0,20)
Design Practicum I: PR: Admission into the MFA
Design program. Practical experience as a member of the
production team as a prop master or assistant scenic, costume, lighting, or sound designer. Occasional.

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 3252
CAH-THEA
3(3,0)
Musical Theatre Acting II: PR: B.F.A. Musical
Theatre major, and C (2.0) or better in TPP 3250. Practical
acting technique as it applies to musical theatre scene
study. Spring.
TPP 3257C
CAH-THEA
2(2,2)
Musical Theatre Voice I: PR: B.F.A. Musical Theatre
or BFA Acting major, and “C”(2.0) or better in THE 2020.
Craft of singing including anatomy, physiology, and diction
utilizing musical theatre repertoire. Spring.
TPP 3258C
CAH-THEA
2(2,2)
Musical Theatre Voice II: PR: B.F.A. Musical Theatre
major, and C (2.0) or better in TPP 3257C. Artistry of singing
including function of music and lyrics, and problems in song
interpretation utilizing musical theatre repertoire. Fall.

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 5949C
CAH-THEA
1(0,20)
Design Practicum II: PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the
practical application of Properties and/or Design for the
Theatre. Occasional.

TPA 4401C
CAH-THEA
3(2,2)
Theatre Careers in Production: PR: B.F.A. Design/
Tech or Stage Management; Junior standing. Techniques to
secure employment in technical theatre, design, and stage
management. Spring.

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.

TPA 4602
CAH-THEA
3(3,0)
Advanced Stage Management: PR: B.F.A. Stage
Management major, C (2.0) or better required in TPA 3601.
Skills necessary for stage managers in contemporary
entertainment. Fall.

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.

TPA 5029C
CAH-THEA
3(2,2)
Lighting Design Studio: PR: TPA 5042C and TPA
5062C. Advanced work in the process of designing light for
the stage with an emphasis on the use of light as artistic
expression. Occasional.

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.

TPA 5042C
CAH-THEA
3(2,2)
Costume Design Studio: PR: Admission to the
graduate program in Theatre or C.I. Project oriented course
in the advance study of Costume Design. Occasional.

TPP 2185
CAH-THEA
3(3,0)
Acting for Non-majors: Introduction to the fundamentals of acting. Fall, Spring.

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 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, Spring. M&S fee $15.00

TPP 3711C
CAH-THEA
2(2,1)
Voice Production II: PR: “C” (2.0) or better in TPP
2710C. Reinforcing stage voice awareness introduced in
TPP 2710C, focusing on a physical approach to acting
texts. Spring.

TPP 2260
CAH-FILM
3(3,0)
Acting for Film: PR: Film Majors. An introduction to
acting for the camera. Occasional.

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 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 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 2710C
CAH-THEA
2(2,1)
Voice Production I: PR: BFA acting major. Lessac,
Skinner, phonetics, and the vocal apparatus. Fall.

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.

TPA 5175C
CAH-THEA
1(1,1)
Rendering for Theatre II: PR: TPA 5095C. Software
and technology available for visual communication and
documentation. Spring.

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 4142C
CAH-THEA
3(2,2)
Acting Verse: PR: Grade of C (2.0) or better required in
TPP 4140C. Verse drama with particular emphasis placed
on scansion and verse in the plays of William Shakespeare.
Occasional.

TPA 5345C
CAH-THEA
2(2,2)
2D Computer Assisted Design for Theatre:
PR: Admission into the Theatre MFA Design track. TwoDimensional computer drafting and editing techniques
applicable to theatre design. Occasional.

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.

TPA 5346C
CAH-THEA
2(2,2)
3D Modeling for Theatre: PR: TPA 5345C. Threedimensional computer modeling and editing techniques
applicable for theatre design. Occasional.

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

TPA 5062C
CAH-THEA
3(2,2)
Scene Design Studio: PR: Graduate status or C.I.
Advanced work in the conceptualization and communication
of scenic designs for the theatre. Spring.
TPA 5081C
CAH-THEA
3(3,3)
Design Concepts for Youth Theatre: PR:
Admission to the graduate program in Theatre or C.I. A
study of design elements (lighting, costume, set) as they
apply to youth theatre. Odd Spring.
TPA 5085C
CAH-THEA
2(2,2)
Design Seminar for Theatre: PR: Admission into
Theatre MFA Design track. Scenic, costume, lighting and
sound design for theatre. Occasional.
TPA 5095C
CAH-THEA
1(1,1)
Rendering for Theatre I: PR: Admission to the
graduate program in Theatre or C.I. Traditional visual
communication skills necessary for scenic, costume, and
lighting design. Fall.

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TPP 3264C
CAH-THEA
3(3,2)
Acting on Camera: PR: BA Theatre Major; a “C” (2.0)
or better in TPP 2101, TPP 3103, 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, and C (2.0) or better required in THE 3312.
Principles and techniques of play direction to include
script selection, directorial analysis, casting, composition/
picturization, blocking, tempo, and rehearsal planning.
Fall, Spring.
TPP 3510C
CAH-THEA
2(2,1)
Movement for the Actor I: PR: BFA Acting Major.
Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more
expressive body. Fall.

TPP 4143C
CAH-THEA
3(2,2)
Acting Styles: PR: “C” (2.0) or better in TPP 3103 or
TPP 4140C. An advanced and comprehensive view of acting styles. Occasional.
TPP 4193L
CAH-THEA
1(0,VAR)
Theatre Participation-Performance II: PR:
Theatre major or minor and “C” (2.0) or better in TPP
2190L. Participation in UCF Theatre productions. May be
used in the degree program a maximum of 8 times. Fall,
Spring. M&S fee $15.00

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The Art of Storytelling: TPP 4243C CAH-THEA  2(2,2)
- Voice and its application to musical theatre performance.

Circus Arts: TPP 4243C CAH-THEA  2(2,2)
- Application of story to circus. Techniques needed to secure employment in performance or related fields. Spring.

Theatre Careers for Performance: TPP 4243C CAH-THEA  3(3,0)
- Acting and Musical Theatre major, Junior standing.
- Selection of 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.

The Art of Storytelling: TPP 4244 CAH-THEA  2(2,2)

Musical Theatre Voice IV: TPP 4940L CAH-THEA  6(0,VAR)
- Admission to the MFA program and TPP 5716C or C.I. Continuation of Musical Theatre Voice Production I. Studying Skinner's narrow transcription with consonants, review of all Linklater work, and introduction to the work of Arthur Lessac. Spring.

Musical Theatre Acting I: TPP 5515C CAH-THEA  2(2,0)
- Admission to MFA program. 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.

Musical Theatre Voice III: TPP 5715C CAH-THEA  2(2,0)
- 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.

Musical Theatre Acting: TPP 5716C CAH-THEA  2(2,1)
- Movement Studio II: TPP 5716C CAH-THEA  2(2,1)
- Advanced musical theatre repertoire study in preparation for professional auditions. May be used in the degree program a maximum of 6 times. Occasional.

Musical Theatre Acting III: TPP 5716C CAH-THEA  2(2,1)
- Stage Voice II: TPP 5716C CAH-THEA  2(2,1)
- Voice Production I: PR: Admission to the MFA program and TPP 5716C 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.

Musical Theatre Acting II: TPP 5515C CAH-THEA  2(2,0)
- Musical Theatre Acting II: TPP 5515C CAH-THEA  2(2,0)
- Advanced acting techniques for modern contemporary American plays. Fall.

Musical Theatre Acting I: TPP 5515C CAH-THEA  2(2,2)
- Musical Theatre Acting I: TPP 5515C CAH-THEA  2(2,2)
- Advanced study of dramatic acting and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation. Occasional.

Musical Theatre Acting VII Advanced Acting For TV/Film: TPP 5516C CAH-THEA  2(2,0)
- Musical Theatre Acting VII: TPP 5516C CAH-THEA  2(2,0)
- Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. Even Fall.

English as an International Language: TSL 3346 CAH-LANG  3(0,0)
- This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of English worldwide. Fall, Spring.

ESOL Strategies: TSL 5325 CAH-LANG  3(0,0)
- This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of English worldwide. Fall, Spring.

ESOL Cultural Diversity: TSL 5345 ED-TL&L  3(0,0)
- This course is designed for ESOL students to understand, evaluate and develop methods of teaching English in diverse social settings. Fall, Spring.
TSL 5601 CAH-LANG 3(3,0) Second Language Vocabulary Learning: PR: Graduate status or senior standing. Focuses on lexical issues encountered by second language learners; explores best practices for learners and their teachers and examines current research for pedagogical application. Occasional.

TSL 5940 CAH-LANG 3(3,0) Issues in TEFL: PR: Graduate status or senior standing. Addresses issues specifically related to TEFL, such as materials adaptation, teaching in multilevel classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 3810 ECS-CECE 3(3,0) Highway Engineering: PR: STA 3032 with a grade C (2.0) or better. Three functional classifications are covered: planning, design, operation and transportation of transportation facilities. Emphasis is on the highway transportation mode. Fall, Spring.


TTE 4274 ECS-CECE 3(3,0) Transportation in Transportation Systems: PR: TTE 3810 with a grade of C (2.0) or better. Topics such as safety, Intelligent Transportation Systems, and airport transportation will be covered. Fall, Spring.

TTE 4601C ECS-CECE 3(2,2) Urban Systems Design: PR: TTE 3810 with a grade of C (2.0) or better and department consent. Project design course covering principles/techniques of planning, traffic analysis, and highway design. Including projecting traffic volumes and laying out design specifications and design of alignments/intersections. Occasional. M&S fee $25.00

TTE 5204 ECS-CECE 3(3,0) Traffic Engineering: PR: TTE 4004. Study of operator and vehicle characteristics, and design for street capacity, signals, signs, and markings. Occasional.

TTE 5700 ECS-CECE 3(3,0) Railroad Engineering: PR: TTE 4004 and C.I. The major technical factors in location, construction, maintenance, and operation of railroad transportation systems. Occasional.

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) Visual Communication: PR: SPC 1608 or SPC 1602 AND COM 1000. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

WOH 2012 CAH-HIST 3(3,0) World Civilization I: A topical approach to the study of the rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.


WOH 2022 CAH-HIST 3(3,0) World Civilization II: Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Fall, Spring.

WOH 2022H CAH-HIST 3(3,0) World Civilization II - Honors: PR: Permission of Honors. Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. Occasional.

WST 3015 CAH-WOM 3(3,0) Introduction to Women’s Studies: PR: ENC 1102 or C.I. Disciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.

WST 3015H CAH-WOM 3(3,0) Honors Introduction to Women’s Studies: PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors consent. Even Spring.

WST 3020 CAH-WOM 3(3,0) Girls’ Studies: PR: ENC 1102. Girls’ Studies, an emerging field within Women’s Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.

WST 3371 CAH-WOM 3(3,0) Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership, obstacles women leaders, and learning from women leaders. Occasional.

WST 3460 CAH-WOM 3(3,0) Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.


WST 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 4349 CAH-WOM 3(3,0) Ecofeminism: PR: ENC 1102 and WST 3015. Connections between feminism and the environment. Occasional.

WST 4415 CAH-WOM 3(3,0) Global and Transnational Feminism: PR: ENC 1102 and WST 3015. Feminist theory from a global, multicultural perspective, combined with global feminist activism. Service learning component. Occasional.

WST 5347 CAH-WOM 3(3,0) Research Seminar in Gender Studies: PR: Graduate status or senior standing, or C.I. Research seminar exploring relationships among feminist theorizing, research, and social change, the development of gender studies programs and their relationships to other academic disciplines. Occasional.

WST 5601 CAH-WOM 3(3,0) Theories in Gender Studies: PR: Graduate standing. Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.

ZOO 3701C COM-M&M 3(1,4) Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional materials/specimens. The primary student population should be junior/senior pre-health professional applicants preparing for the basic medical sciences of professional schools. Spring, M&S fee $70.00

ZOO 3713C COS-BIOL 5(3,6) Comparative Vertebrate Anatomy: PR: BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall, M&S fee $65.00

ZOO 3733C COM-M&M 4(3,3) Human Anatomy: PR: BSC 2010C or equivalent. Structure of the human body. Fall, Spring. M&S fee $15.00

ZOO 3733H COM-M&M 4(3,3) Honors Human Anatomy: PR: BSC 2010C 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 3744 COM-M&M 3(3,0) Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.


ZOO 4513 COS-BIOL 3(3,0) Animal Behavior: PR: PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. Odd Fall.
ZOO 4603C COS-BIOL 5(3,4)  

ZOO 4605 COM-M&M 3(3,0)  

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 neurosciences 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 5486 COS-BIOL 4(4,0)  
Mammalogy: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of the diversity and biology of mammals from an evolutionary perspective. Even Spring.

ZOO 5745C COM-M&M 4(3,3)  
Essentials of Neuroanatomy: PR: Human/ Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Occasional. M&S fee $15.00

ZOO 5748C COM-M&M 5(3,2)  
Clinical Neuroanatomy: PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. Fall.

ZOO 5749C COM-M&M 5(3,2)  
Clinical Neuroscience: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4704C or ZOO 5748C, or equivalents. Clinically oriented teachings of neurosciences 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
The date indicates the first year of employment at the University of Central Florida.

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FRONKLO, CHRIS, Visiting Instructor of Writing & Rhetoric (2008), B.A., M.A., Ph.D. (Vanderbilt University)

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TAYLOR, JAMES S., Professor Emeritus of Engineering (1971), B.A., M.S., Ph.D. (University of Florida), P.E. (Florida)

TAYLOR, K. PHILIP, Professor Emeritus of Communication (1970), B.A., Ph.D. (University of Washington)

TAYLOR, MICHAEL W., Professor Emeritus of Mathematics (1969), B.A., M.S., Ph.D. (Florida State University)

TAYLOR, WALTER K., Professor Emeritus of Biology (1969), B.S., M.S., Ph.D. (Arizona State University)


THOMAS, MARGARET H., Professor Emeritus of Psychology (1971), B.A., M.A., Ph.D. (Tulane University)
COURTESY APPOINTMENTS

ABDELRAHIM, MAEN A., Courtesy Associate Professor of Biomedical Science Center (2006), B.Sc. in Pharmacy, Ph.D. (Texas A&M University, College Station)
AGUIRRE, LILLIAN, Courtesy Instructor of Nursing (2009), BS, MS (University of Central Florida)
ANAGNOSTOPOULOS, GEORGIOS, Courtesy Assistant Professor (2007), PGP, M.S., Ph.D. (University of Central Florida)
ANDREWS, LARRY C., Professor Emeritus of Mathematics (1973), B.S., M.S., Ph.D. (Michigan State University)
ARLEN, PHILIP A., Courtesy Assistant Professor (2008), Ph.D.
AVE, JAIME J., Courtesy Professor of Anthropology (2007), Ph.D. (University of London)
BARKER, PAUL, Courtesy Professor (2009), MA, PhD (George Mason University)
BALLANTYNE, JOHN, Professor Emeritus of Medicine (1969), Ph.D. (University of Texas Southwestern Medical School)
WOLF, J. GARY, Distinguished Service Professor Emeritus of Music (1972), B.M.Ed., M.M., D.M.A. (Eastman School of Music)
WRIGHT, BURTON, Professor Emeritus of Sociology (1970), B.S., M.S., Ph.D. (Florida State University)
WCUFF, EDGAR B., Associate Professor Emeritus of Communication (1972), B.S., M.B.A., Ph.D. (Florida State University)
YEH, GOUR-TSYY, Professor Emeritus, Civil and Environmental Engineering (2000), B.S., M.S., Ph.D. (Cornell University), P.E. (New York, Massachusetts, California, Tennessee, Pennsylvania)
YOUSF, YOUSF A., Professor Emeritus of Engineering (1970), B.S.C.E., M.S., Ph.D. (University of Texas), P.E. (Florida, Texas)

BRUNELL, MARY LOU, Instructor, College of Nursing (1980), M.S.N. (University of Pennsylvania)
CALESTANI, CRISTINA, Secondary Joint Assistant Professor of Biomedical Science Center (2003), Ph.D. (University of Parma, Italy)
CAMDESSANCA, JEAN-PHILIPPE, Courtesy Visiting Scientist - Biomedical Science Center (2001), M.S., M.D. (Claude Bernard University, Lyon France), Advanced degree in neurosciences (Claude Bernard University, Lyon France)
CHALAVI, ALI, Courtesy Associate Professor of Neurosurgery (2009)
CHANG, NI-BIN, Secondary Joint Professor of Industrial Engineering and Management Systems (2009), BS, MS, PhD (Cornell University)
CHEN, PHILLIP, Courtesy Assistant Professor of Molecular Biology and Microbiology (2002), M.D. (University of Alabama at Birmingham)
CHITTICK, ELIZABETH, Assistant Research Professor of Biology (2002), (Tufts University)
CHOW, LOUIS C., Secondary Joint Professor of Optics & Photonics (2005), M.S., Ph.D. (University of California, Berkeley)
COBB, KATHY, Courtesy Adjunct Instructor, Educational Research, Technology, and Leadership (2007), J.D. (Seton University)
COFFEY, KEVIN, Secondary Joint Professor of Department of Electrical Engineering and Computer Science (2005), B.A., B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
COLUMBUS, GENE, Department of Theatre (2000)
DEATON, JOHN, Assistant Professor of Psychology (1994), B.A., M.A., Ph.D. (Catholic University of America, Washington, D.C.)
DEFREESE, DUANE, Visiting Associate Scientist and Interim Director, UCF Institute for Environmental Sustainability, (2008), B.S., M.S., Ph.D. (Florida Institute of Technology)
DEMARA, RONALD F., Secondary Joint Associate Professor, School of Computer Science (2004), B.S., M.S., Ph.D. (University of Southern California)
DEMPSEY-WALLS, SUSAN, Courtesy Clinical Faculty, College of Nursing (2005), B.S.N., M.S.N. (University of California at Los Angeles)
DEYRUP, MARK, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Washington)
DHERRI, NEELKANTH, Research Professor of Mechanical Engineering and Secondary Joint Professor of Electrical Engineering and Secondary Joint Professor of Materials Science and Engineering (1990), B.S., M.S., Ph.D. (University of Poona, Pune, India)
DIVO, EDUARDO, Courtesy Faculty (2010), M.S., Ph.D. (University of Central Florida)
DOGARU, ARISTIDE, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1995), Ph.D. (Hokkaido University)
DOLD, CHRISTOPHER, Courtesy Researcher (2010), B.S., D.V.M. (University of Wisconsin)
DOLSKA, MICHELLE, Courtesy Clinical Assistant Professor of Psychology (2009), B.S., M.A., Ph.D. (University of Alabama at Birmingham)
DOUKAS, MICHAEL A., Courtesy Professor of Health Services Administration, Courtesy Professor of Internal Medicine (2006), B.A., M.P.A., M.D. (Johns Hopkins School of Medicine, Baltimore)
DRAKE, JASON, Courtesy Research Assistant Professor of Biology (2004), B.S., M.S., Ph.D. (University of Maryland)
DUCHARME, ALFRED, Courtesy Assistant Professor of Optics and Photonics. (2005), B.S., E.E., PhD (University of Central Florida)
DUPRAS, TOSHA LEA, Secondary Joint Assistant Professor of Biology (2003), B.A., M.S., Ph.D. (McMaster University)
DURANCEAU, STEVEN, Secondary Joint Associate Professor of Nanoscience (2009), AA, BS, MS, PhD (University of Central Florida)
EASTES, RICHARD W., Secondary Joint Assistant Professor of Electrical Engineering (2006), B.S., M.A., Ph.D. (The Johns Hopkins University)
FIELD, MELVIN, Courtesy Associate Professor Biomolecular Science (2006), M.D. (University of Florida), Diplomat of the National Board of Medical Examiners
FOLSE, KEITH, Secondary Joint Associate Professor (2009), M.A., Ph.D. (University of South Florida)
FRANKLIN, RAYMOND, Clinical Faculty, MLS, Department of Molecular Biology and Microbiology, Courtesy Assistant Professor of Pathology, M.D., Ph.D. (University of Texas)
FRIEDMAN, DAVID, Courtesy Adjunct Professor of Biology (2007)
FRISTROM, JAMES W., Courtesy Research Professor of Biology (2004), B.A., Ph.D. (Rockefeller University)
FULLERTON, STUART, Biological Research Associate (1995), B.S. (University of Central Florida)
GARIBAY, IVAN, Secondary Joint Instructor School of Electrical Engineering and Computer Science (2007), Ph.D. (University of Central Florida)
GARLAND, JAY, Associate Research Professor of Biology (2002), B.S., M.S., Ph.D. (University of Virginia)

TUBBS, LEVETER, Associate Professor Emeritus, Educational Research, Technology, and Leadership (1980), B.S., M.S., Ed.D. (University of Missouri-Columbia)
TUCKER, RICHARD D., Professor Emeritus of Psychology (1972), A.B., M.A., Ph.D. (Emory University)
TZANNES, NICOLAOS S., Professor Emeritus of Engineering (1996), B.E.E., M.E.E., Ph.D. (Johns Hopkins University)
WALLACE, RONALD L., Professor Emeritus of Anthropology (1975), B.A., M.A., Ph.D. (University of Florida)
WANIELISTA, MARTIN P., Professor Emeritus of Engineering (1970), B.S.C.E., M.S., Ph.D. (Cornell University), P.E. (Florida)
WHISLER, BRUCE A., Associate Professor Emeritus of Music (1971), B.A., Ph.D. (University of Rochester)
WHITE, ROSEANN S., Associate Director of Burnett School of Biomedical Sciences, Professor Emeritus of Molecular Biology and Microbiology (1969), Ph.D. (University of Texas Southwestern Medical School)
WOLF, J. GARY, Distinguished Service Professor Emeritus of Music (1972), B.M.Ed., M.M., D.M.A. (Eastman School of Music)
WRIGHT, BURTON, Professor Emeritus of Sociology (1970), B.S., M.S., Ph.D. (Florida State University)
WYCOFF, EDGAR B., Associate Professor Emeritus of Communication (1972), B.S., M.B.A., Ph.D. (Florida State University)
YEH, GOUR-TSYY, Professor Emeritus, Civil and Environmental Engineering (2000), B.S., M.S., Ph.D. (Cornell University), P.E. (New York, Massachusetts, California, Tennessee, Pennsylvania)
YOUSF, YOUSF A., Professor Emeritus of Engineering (1970), B.S.C.E., M.S., Ph.D. (University of Texas), P.E. (Florida, Texas)
GESQUIERE, ANDREQU, 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 (1994), B.A., Ph.D. (State University of New York at Buffalo)

GOLDIEZ, BRIAN, Deputy 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 Psychiatry and Neurology)

GOODWIN, KENNETH, Courtesy Assistant Director, Career Services and Experiential Learning (2006)

GORDIN, PATRICIA, Courtesy Adjunct - Educational Research, Technology & Leadership (2007)

GORHAM, JAYNE S., Courtesy Adjunct (2007), Ed.D. (Nova Southeastern University)

GUARDA, LUIS A., Courtesy Professor, Medical Laboratory Sciences; Courtesy Associate Professor of Pathology (2005), M.D. (University of Chile)

HEINONEN, OLLE, Associate Professor of Physics (1989), B.S., Ph.D. (Case Western Reserve University)

HERBST, LAWRENCE, Assistant Research Professor of Biology (2002), B.A., M.S., D.V.M., Ph.D. (University of Florida)

HERNANDEZ, FLORENCIO E., Secondary Joint Assistant Professor of Optics & Photonics (2004), B.S., Ph.D. (Universidad Central de Venezuela)

HICKLEY, MICHAEL H., Associate Professor of Physics (2003), Ph.D. (La Trobe University)

HICKMAN, JAMES, Secondary Joint Professor School of Electrical Engineering and Computer Science (2004), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

HICKMAN, JAMES, Secondary Joint Professor (2009), M.S., Ph.D. (Massachusetts Institute of Technology)

HIGBEE, RUSSELL, Courtesy Professor of Molecular Biology and Microbiology (2004), D.V.M. (Ohio State University)

HILL, DON-MICHAEL, Courtesy Adjunct Instructor (2010), B.M. (Curtis Institute of Music)

HOLSENECK, DANIEL, Courtesy Professor - Communication (2009), B.S., Med., Ph.D. (Florida State University)

HORN, GORDON, Courtesy Clinical Assistant Professor of Psychology (2009), B.S., M.A., Ph.D. (Saint Louis University)

HUANG, XU, Courtesy Visiting Scholar (2007), B.S., M.B.A., Ph.D. (Southwestern University of Finance and Economics)

HUBSCH, TRISTAN, Courtesy Graduate Faculty Scholar (2009), B.S., Ph.D. (University of Maryland)

HUSSEIN, SABER, Courtesy Professor (2010), Ph.D. (Osmania University)

JARVIS, JOHN, Courtesy Research Associate Professor of Sociology (2006), B.A., B.S., M.A., Ph.D. (University of Virginia)

JEDICA MORRIS, LORI, Courtesy Research Associate Professor of Biology (2004), M.A. (College of William and Mary)

JOHNSON, NANCY M., Courtesy Clinical Nurse Specialist (2006), B.S., M.S.N. (University of Evansville, Indiana)

KACHURIN, ANATOMY, 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)

KAPPOOR, VIKRAM, Courtesy Professor Department of Electrical Engineering and Computer Science (2004), Ph.D. (Lehigh University)

KAR, ARAVINDA, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (2005), B.S., M.S., Ph.D. (University of Alabama in Tuscaloosa-Champaign)

KELLY, DANIEL P., Courtesy Professor of Biomedical Sciences, Biomolecular Science Center (2008), M.D.

KENNEDY, ROBERT S., Professor of Psychology B.A., M.A., Ph.D. (University of Rochester)

KENNY, ROBERT F., Assistant Professor of School of Film and Digital Media and Secondary Joint Professor of Educational Research, Technology, and Leadership (2004), B.A., M.A., Ph.D. (University of Florida)

KIM, JONG, Courtey Research Scientist (2009), B.S., M.S., Ph.D. (Pennsylvania State University)

KINCAID, J. PETER, Professor of Psychology and Senior Research Scientist, Modeling and Simulation and Secondary Joint Professor of Medical Education B.A., M.A., Ph.D. (Ohio State University)

KRUPP, LINDA, Courtesy Adjunct Instructor, Educational Studies (2007), Ed.D. (University of Florida)

KUCHMA, MELISSA, Courtesy Visiting Scientist (2006), Ph.D. (Massachusetts Institute of Technology)

KYLE, TIFFANY LINKOVICH, Courtesy Research Assistant Professor of Psychology (2007), B.A., M.S., Ph.D. (University of Central Florida)

LEE, HAEJONG, Courtesy Research Associate in Public Affairs (2005), Ph.D. (Yonsei University, Seoul, Korea)

LEHMANN, JEFFREY, Clinical Professor in Communication Sciences and Disorders; Courtesy Assistant Professor of Otolaryngology (2003), (University of Wisconsin)

LELI, DANO, Courtesy Clinical Assistant Professor of Psychology (2008), M.A., Ph.D. (University of South Florida)

LEUENBERGER, MICHAEL N., Secondary Joint Assistant Professor of Electrical and Computer Engineering (2005), B.S., M.S., Ph.D. (University of Basel, Switzerland)

LI, GUGUF, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1997), Ph.D. (University of Wisconsin-Madison)

LIEBERMAN, R. JANE, Chair and Professor of Communication Sciences and Disorders (2000), B.S., M.S., Ph.D. (University of Florida)

LIKAMWA, PATRICK, L., Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1993), Ph.D. (University of Sheffield)

LILIE, JOYCE R., Associate Professor of Political Science (1985), B.A., M.A., Ph.D. (Johns Hopkins University)

LOGALBO, ANTHONY, Courtesy Clinical Assistant Professor of Psychology (2009), M.A., Ph.D. (University of Alabama at Birmingham)

LOUGHER, BARRY A., Clinical Faculty, Health Services Administration; Courtesy Associate Professor of Medical Education D.D.S., M.S., Ph.D. (University of Florida)

LUPO, GIOVANNI, Thesis Committee Courtesy (2010), M.D. (University of Palermo)

MACAYHE, SHRIM, Courtesy Assistant Professor - Public Affairs (2007)

MARTIN, LAWRENCE, Professor, Public Administration and Public Affairs, Joint Appointment (2003), Ph.D. (Arizona State University)

MARTIN, SCOTT, Courtesy Faculty (2010), B.S., M.S., Ph.D. (University of Washington)

MINSKY, ADAM, PhD. (University of Arizona)

MONI, JEANETTE A., Secondary Joint Assistant Professor of Biomedical Science Center (2003), Ph.D. (University of California, Davis)

MORRISON, DANIEL, Instructor, Educational Studies (2007)

MURPHY, KELLY, Assistant Professor Department of Psychology and Senior Research Scientist, Courtesy Assistant Professor of Psychology (2000), B.S., M.S., Ph.D. (University of Iowa)

MATTIS, PATRICK, Courtesy Faculty Associate, School of Nursing (2002), University of Florida

McPHERSON, BRENDA, Faculty Associate, Educational Studies (2003)
PEALE, ROBERT E., Secondary Joint Professor of Optics & Photonics (2004), B.A., M.S., Ph.D. (Cornell University)

PHANSTIEL, OTTO, Associate Professor of Chemistry (1995), Ph.D. (University of Florida)

PHILIPS, RONALD, Courtesy Visiting Scholar (2010), Ph.D. (Arizona State University)

PHILLIPS, RONALD L., Secondary Joint Professor of Optics & Photonics (2004), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)

PICOU, STEVEN, Courtesy Professor of Sociology (2004), B.A., M.A., Ph.D. (Louisiana State University)

PRITCHARD, PETER C. H., Professor of Biology (1994), B.A., M.A., Ph.D. (University of Florida)

PROVENCHA, DAVID, Courtesy Faculty Research Associate (2009), BSE (University of Central Florida)

PURMENSKY, KERRY, Secondary Joint Associate Professor (2009), M.S., Ph.D. (Southern Illinois University)

RAMSEY, CAROLYN, Nursing Thesis Committee (2010), Ph.D. (Hampton University)

REBURN, CATHERINE JEAN, Assistant Research Professor of Biology (2002), B.S., M.S., Ph.D. (Queen's University)

REDFOOT, WILLIAM, Research Associate in Biology (1999), B.A., M.A., M.S. (University of Central Florida)

REED, JOHN, Courtesy Professor, College of Medicine (2006), M.D., Ph.D., B.A. (University of Pennsylvania)

RICHARDSON, MARTIN, Secondary Joint Professor School of Electrical Engineering and Computer Science (1990), B.S.C., A.R.C.S., Ph.D. (University of London)

RIVERS, ROSE, Nursing Thesis Committee (2010), Ph.D. (University of Florida)

RONEN, ADI, Visiting Researcher (2010), Ph.D. (University of Negev)

SAULSBURY, BRIAN, Courtesy Adjunct Faculty - Art (2008)

SCHNEIDER, KIMBERLY, Research Assistant Professor (2009), B.S., Ph.D. (University of South Carolina)

SCHULTLE, ALFONS, Secondary Joint Associate Professor of Optics & Photonics. (2004), Dr. rer. nat. (Technische Universität München)

SCHUTZ, LARRY, Courtesy Clinical Professor (2007), Ph.D., ABPP

SELBY, THOMAS, Assistant Professor of Chemistry (2002), Ph.D. (Ohio State University)

SHAH, MUBARAK A., Secondary Joint Professor of Optics and Photonics (1986), B.E., M.S., Ph.D. (Wayne State University)

SHERIN, KEVIN, Courtesy Associate Professor of Public Affairs; Courtesy Associate Professor of Family Medicine (2006), B.A., M.P.H., M.D. (Loyola University of Chicago Stritch School of Medicine)

SHERMAN, JAY DAVIN, Courtesy Adjunct Instructor (2006), Ph.D. (Texas A&M University)

SHI, RONGSHENG, Courtesy Visiting Scholar (2010), M.A. (Jinan University)

SHUGAN, STEVE, Professor, Marketing (2003), Northwestern University

SHUMAKER, RANDALL P., Secondary Joint Professor Department of Electrical Engineering and Computer Science (2004), Ph.D. (University of Pennsylvania)

SILFVAST, WILLIAM, Professor Emeritus of Optics (1990), B.S., Ph.D. (University of Utah)

SIMPSON, PHILIP LOCKWOOD, Courtesy Adjunct Instructor of Educational Studies (2006), B.A., M.A., Ph.D. (Southern Illinois University)

SINGER, MICHAEL JAMES, Courtesy Faculty Associate, Psychology (2005), B.A., M.S., Ph.D. (University of Maryland)

SMITH, STEVEN, Courtesy Professor of Biomedical Sciences (2010), M.D. (University of Texas)

SOILEAU, M.J., Secondary Joint Professor Department of Electrical Engineering and Computer Science (2004), Ph.D. (University of Southern California)

SOLTIS, JOSEPH, Courtesy Research Assistant Professor of Biology (2004), B.A., M.A., Ph.D. (University of California, Los Angeles)

SORLACIA-HICKMAN, NICOLETA, Assistant Professor, Solar Energy and Secondary Joint Visiting Assistant Professor of NanoScience Technology (2008), Ph.D., M.S. (Clemson University)

STANNEY, KAY, Courtesy Faculty (2010), M.S. (Purdue University)

STEPHAN, MICHELLE, Courtesy Graduate Faculty Scholar (2009), B.S., M.S., Ed.D. (Vanderbilt University)

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)

STEWART, DUANE, Secondary Joint Assistant Professor of Medical Education (2007), Ph.D.

STOLEN, ERIC, Courtesy Assistant Research Professor of Biology (2010), B.S., M.S., Ph.D. (University of Florida)

STROEGER, JAMIE, Courtesy Adjunct Instructor (2009), B.M., M.M. (University of South California)


SULLIVAN, JEROME L., Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (University of Florida College of Medicine)

SUMMY, JUSTIN M., Courtesy Assistant Professor (2007), Ph.D. (West Virginia University)

SWEENEY, PAUL D., Professor of Psychology (1999), M.S., Ph.D. (Indiana University)

THEIS, ELIZABETH, Courtesy Instructor (2010).

THOMPSON, CHARLES, Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (University of Miami School of Medicine)

VAHAMA, SAMI, Finance Visiting Scholar (2010), Ph.D. (University of Vaasa)

VALDES, EDUARDO V., Associate Research Professor of Biology (2002), M.S., Ph.D. (University of Guelph)

VAN STRYLAND, ERIC W., Dean and Director, Professor of Optics (1987), B.S., Ph.D. (University of Arizona)

VITANOVA, GERRANA, Secondary Joint Associate Professor (2009), M.A., Ed.D. (University of Cincinnati)

WARREN, WILLIAM, Courtesy Associate Professor of Molecular Biology and Microbiology (2006), Ph.D. (Pennsylvania State University)

WASHINGTON, KEVIN, Courtesy Consultant, Internal Title: Professional Development Appointee (2009), Ph.D. (Texas A & M University)

WATSON, STEPHEN M., Secondary Joint Assistant Professor School of Electrical Engineering and Computer Science (2004), B.S., M.S., Ph.D. (University of Nottingham)

WEEKS, ARTHUR, Secondary Joint Associate Professor of Optics & Photonics. (2004), B.S., M.S.E.E., Ph.D. (University of Central Florida)

WESTERVELD, MICHAEL, Courtesy Clinical Assistant Professor of Psychology (2009), B.S., Ph.D. (Fairleigh Dickinson University)

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)

WILLIAMS, LANA, Courtesy Assistant Professor (2010), Ph.D. (University of Western Ontario)

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)

WOJAN, PAWEŁ, Secondary Joint Assistant Professor (2009), MS, Ph.D. (University of Karlsruhe)

WONG, BRIGHT, Courtesy Associate Professor of Biomolecular Science (2000), B.S., M.D. (Boston University School of Medicine)

WU, SHIN-TSON, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (2004), B.S., Ph.D. (University of Southern California)

WU, THOMAS XINZHANG, Secondary Joint Associate Professor (2009), B.S., MS, PhD (The Moore School of Electrical Engineering)

YOUNT, JIM, Courtesy Adjunct Instructor, Educational Studies (2007), Ph.D. (Florida Institute of Technology)

ZARDA, P. RICHARD, Research Professor of Mechanical Engineering (2002), M.S., Ph.D. (Columbia University)

ZHAI, LEI, Secondary Joint Assistant Professor FSEC and MME (2009), B.S., M.S., Ph.D. (Carnegie Mellon University)

ZHANG, NING, Secondary Joint Assistant Professor (2009), MPA, MD, PhD (Virginia Commonwealth University, Shandong Medical University)

ZHAO, JIM JIAN, Clinical Faculty, Health Services Administration (2003), M.G.A., M.D., Ph.D. (Oxford University)

ZHOU, HUIYANG, Courtesy Faculty (2010), B.S., M.S., Ph.D. (North Carolina State University)
CHANDIA, NATALY, Director, International Services Center (2003), B.A., M.P.A. (University of Central Florida)
CHASE, DIANE Z., Executive Vice Provost for Academic Affairs, University Pegasus Professor, and Professor of Anthropology (1984), B.A., Ph.D. (University of Pennsylvania)
CHAVIS JR., GORDON D., Associate Vice President for Undergraduate Admissions, Student Financial Assistance, and Student Outreach (1999), B.A., J.D. (Georgetown University)
CHEREPOW, SANDRA M., Senior Administrative Assistant to the President (1972), A.A. (Becker Junior College)
CLARK, TRACY, University Controller (2007), B.B.A., J.D. (University of Cincinnati)
COLE, W. SCOTT, Vice President & General Counsel (2002), B.S., J.D. (University of Florida)
DeTOLEDO BARRY, Director, Facilities Planning (2010), B.D., M.BCN (University of Florida)
DONEGAN, HELEN, Vice President for Community Relations (1995), B.A. (San Jose State University)
DORMAN, TERESA, Assistant Dean, College of Sciences (1996), B.S., M.A., E.Ed. (UCF)
DORNER, JOYCE L., Interim Vice Provost of Regional Campuses (1980), M.S.N. (University of Florida)
DRESSLER, SHERI, Director, Experiential Learning (1982), B.A., M.S.W., Ph.D. (University of Florida)
EHASZ, MARIBETH, Vice President for Student Development and Enrollment Services (1994), B.S., M.A., Ph.D. (University of Toledo)
EKERN, SHARON L., Associate Vice President, Student Development and Enrollment Services (1990), B.A., M.P.A., Ed.D. (University of Central Florida)
EXUM, TERRY, Director, Student Services, Southern Region (2006), B.S., M.A. (Louisiana Tech University)
FERNANDEZ, JOSE, Dean, Professor of Spanish and History (1981), B.A., M.A., Ph.D. (The Florida State University)
FORTIER, VANESSA, Associate Vice President, Finance (1998), B.S.B.A., M.B.A. (University of Central Florida)
GARDNER, DAN, Director, Assessment, College of Medicine (2008), Ed.D. (Florida Atlantic University)
GERBERT, MATTHEW, Director, Knowledge Management, College of Medicine (2008), Ph.D. (University of Central Florida)
GERMAN, DEBORAH C., Vice President for Medical Affairs and Dean, College of Medicine (2006), B.S., M.D. (Harvard Medical School)
GLASPIE, HENRY, Director, IT, College of Medicine (2002), M.S.I.E. (University of Central Florida)
GONZALEZ, LYNN, Associate Vice President, Budget and Personnel Administration (1991), B.A., M.B.A. (University of Central Florida)
GRAY, BETSY L., Associate Director, Office of Research & Commercialization, and Chief Operating Officer, UCF Research Foundation (1972), B.S.B.A. (University of Central Florida)
GUMBLE, MARK, Director, Academic Services for Student Athletes (2005), B.A., M.A. (Binghamton University)
HALL, RHONDA C., Director, Student Outreach Programs (1993), B.A., M.A. (University of Central Florida)
HALL, THOMAS, Director, Alcohol & Other Drug Programming (1991), B.S. M.S. (Florida State University)
HALPIN, SUZANNE M., Director, Student Union (1998), B.S. (Benfley College)
HANSEN, LYNN, Executive Director, Career Services (2010), A.A., B.S., M.Ed. (University of West Florida)
HARMS, ALFRED G., Vice President, Strategy, Marketing, Communications, and Admissions (2005), B.S., M.S. (Texas A&M University)
HARTMAN, JOEL L., Vice Provost, Information Technologies and Resources (1995), B.S., M.S., Ed.D. (University of Central Florida)
HARTZLER, CHRISTI A., Director, Housing and Residence Life (1982), B.A., M.Ed. (University of Miami)
HELMS, TERRENCE K., Associate Vice President, University Marketing (2005), B.S., M.B.A. (Rollins College)
HENRY, KIRK, Director I.T. Services, UCF Regional Campuses (2010)
HESTON, GRANT J., Assistant Vice President, News and Information and UCF TV (2007), B.S. (University of Florida)
HILL, HELEN, Director of Advising, UCF Regional Campuses (2010)
HITT, JOHN C., President of the University, Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)
HOLMES, STEPHEN, Interim Assistant Vice President, Academic Initiatives - UCF Regional Campuses (1997), B.S., M.A., Ph.D. (University of Cincinnati)
HOLMES JR., ROBERT J., Vice President for Alumni Relations and Development and Chief Executive Officer, UCF Foundation (1998), B.A., M.A. (University of Maine)
HOLSENBECK, DANIEL C., Vice President for University Relations, Senior Counsel to the President, and Director, Governmental Relations (1985), B.S., M.E.D., Ph.D. (Florida State University)
HOPE, THOMAS L., Creative Director, University Marketing (2005), M.F.A., M.B.A. (University of Central Florida)
HOWSE, MARK, Coordinator of Accreditation and Program Approval (2010), B.S., M.S., Ph.D. (Florida State University)
HUFF-CORZINE, LIN, Associate Vice Provost, Academic Affairs, and Professor of Sociology (1996), R.N., B.A., Ph.D. (Washington University in StLouis)
JACKSON, JOHN, Director Environmental Health & Safety (2002), B.S. (Auburn University)
JACKSON, WAYNE, Director, Multicultural Academic and Support Services (1981), B.A., M.A. (Dallas Theological Seminary)
JAEFF, LARRY, Director, Technologies and Facilities (2003), B.S., M.B.A., M.S., Ed.S. (Rutgers University)
JARRELL-COLE, MARGARET, Associate Vice President, Administration and Legal Counsel, UCF Foundation (2003), L.L.M., J.D. (University of Florida)
JEFFERSON, ALLISON, Executive Director of Administration (1999), B.S., M.S. (Northwestern University)
JONES, TRACY R., Assistant Dean, Graduate Admissions, Student Services, and recruiting, College of Graduate Studies (1995), B.A., M.A. (University of Central Florida)
JUNTUNEN, DANA, Director, Office of Student Conduct (2003), B.A., M.Ed. (James Madison University)
KERNEK, LEE, Associate Vice President, Facilities and Safety (2007), B.M., M.P.A. (Harvard University)
KITTINGER JR., FRED R., Associate Vice President, University Relations (2003), B.A., M.S. (Florida State University)
LANCEY, PATRICE, Director, Operational Excellence and Assessment Support (2001), B.A., M.A., Ph.D. (Wayne State University)
LANEY, DAVID, Associate Vice President, Business Affairs and Operations, UCF Regional Campuses (2008)
LARKIN, ROBERT, Director, Admissions, College of Medicine (2007), B.A. (University of South Florida)
LARTONOX, PAUL F., Assistant Dean of Research and Academic Issues (2005), B.A., M.F.A. (Lindenwood University)
LAUREANO, GLORIA, Assistant Vice President, Student Development and Enrollment Services (1996), B.A., M.A., Ed.D. (University of Central Florida)
LEINSING, DONNA, Executive Director/ UCF Academy (1993), B.A.Ed., M.Ed. (University of Central Florida)
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 Southern University)
MAJOR, ANTHONY, Director, Zora Neale Hurston Institute of Technology (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)
MARRETT, CAROLINE, Director, Toni Jennings Exceptional Education Institute (2007), B.S., M.A., Ph.D. (University of Central Florida)
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, ILLIAM 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)
NORVELL, DAVID, Director, Sustainability and Energy (2008),
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)
OCONNELL, STEPHEN, Director, First Year Advising and Exploration (2003), B.A., M.A. (Ohio State University)
OHARA, BARBARA, Director, Health Sciences Campus Operations, College of Medicine (2006), M.P.A. (Rollins College)
OMLI, STEVE, Director, Finance and Accounting, College of Medicine (2005), M.B.A. (University of North Carolina)
ORO, GLENA, 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 (1996), B.S., M.S. (University of Tennessee)
PAYNE, RICHARD S., Assistant Vice President, SMTPA Operations (2002), B.S., M.B.A. (University of Central Florida)
PEARSON, STACEY M., Director, Counseling Center (2008), B.A., M.A., Ph.D. (Pennsylvania State University)
PEPPER, RICHARD D., Associate Dean, Faculty and Academic Affairs, College of Medicine (2007), B.A., Ph.D. (University of Kansas)
PERRY, ANTHONY, Director, Rosen College of Hospitality Management Student Life (2002), B.A., M.Ed., M.S. (University of Louisville)
PETERSON, ANGELA, Associate Vice President, Regional Campuses, Enrollment Services, and Marketing and Outreach (2005), B.S., M.S. Ed. (Pittsburg State University)
PETKOV, ANA, Director, Constituent Relations (2008)
PITY, REBECCA, Director, University Testing Services (1998), B.A., M.A. (University of Central Florida)
PITTMAN, JOHN, Director, Financial Services (2000), B.S., M.S. (University of Central Florida)
POOLE, MAX C., Senior Associate Dean, College of Graduate Studies, and Associate Professor of Health Sciences (2005), B.S., Ph.D. (Medical College of Georgia)
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)
REAG, PAMELA, Director, Student Disability Services (2000), B.A., M.Ed. (National-Louis University)
REDICK, ALZO J., Director, Special Programs and Defense Transition Services (1990), B.S., M.E., Ed.D. (Nova University)
REED, HAL C., Assistant Vice President for Planned Evaluation (2000), B.A., J.D. (University of Kansas)
RITCHE, 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 North 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)
SCIIARRINO, JOSEPH, Director, Activity and Service Fee Business Office (1990), B.S.B.A. (University of Central Florida)
SELM, 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)
SIMMEN, MARVIN, 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)
SMITH, SORAYA, Director, Student Affairs, College of Medicine (2009), M.B.A. (University of Central Florida)
SNOW, ROBERT, Director, Sophomore and Second Year Center (1987), B.S., M.S. (Shippenburg University Pennsylvania)
SOILEAU, MARION J., Vice President, Research & Commercialization and Professor of Optics & EECs (1987), B.S., M.S., Ph.D. (University of Southern California)
STEBBINS, CONSUELO, Assistant Vice President for Planning (1987), B.A., M.A., Ph.D. (The Florida State University)
STEGALL, SCOTT, Director, Facilities Planning (2009)
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)
SUCHER, CYNTHIA, Associate Vice President, Community Relations (2006), B.A. (University of Central Florida)
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)
TREETES, DIANE, Associate Vice President, Community Relations and Metropolitan Center for Regional Studies (1994), B.S., B.S.N., M.S. (University of Central Florida)
TREBIE, KEITH, Director, Athletics and Executive Vice President of UCF Athletics Association (2006), B.S. (University of Florida)
TRIVES, SHREYA, University Ombuds Officer (2011)
TRUMAN, BARBARA, Director, Course Development and Web Services (1996), B.A., M.A. (University of Central Florida)
VAIDYANATHAN, PALLAVOOR N., Assistant Vice President for Research (1989), B.S., B.E., M.Sc., M.B.A. (University of Central Florida)
UCF Administrative Officers and Staff

VAZQUEZ, JOSE, 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)
WELCH, KERRY, Assistant Vice President, Student Development and Enrollment Services (2004), B.A., M.A., Ed.D. (University of Cincinnati)

WILKENING, JAMES, Director, Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville)
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)

WRIGHT, JENNIFER, Director, Dispute Resolution Services (2001), A.A.S., B.S.B.A. M.A. (Appalachian State University)
YANKELLO, ROBERT, Director, Computer Services and Telecommunications (2004), B.S., M.Ed. (Pennsylvania State University)
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

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Degree</th>
<th>Year</th>
<th>Name</th>
<th>Degree</th>
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<tbody>
<tr>
<td>August 1978</td>
<td>Fred C. Clayton, Doctor of Professional Engineering</td>
<td>April 1996</td>
<td>Nicolaas Bloembergen, Doctor of Science</td>
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<td>December 1981</td>
<td>Howard Phillips, Doctor of Public Service</td>
<td></td>
<td>Archbishop Desmond Tutu, Doctor of Humane Letters</td>
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<tr>
<td>April 1982</td>
<td>Gene Bums, Master of Letters</td>
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<td>May 1982</td>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
<td>May 2001</td>
<td>Reubin O’D. Askew, Doctor of Public Service</td>
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<td>May 1982</td>
<td>Ferdinand Duda, Doctor of Agricultural Service</td>
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<tr>
<td>May 1982</td>
<td>John Duda, Doctor of Agricultural Service</td>
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<tr>
<td>July 1982</td>
<td>Mary Jo Davis, Doctor of Public Service</td>
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<td>December 1984</td>
<td>Charles Wadsworth, Doctor of Public Service</td>
<td></td>
<td>Joseph F. Traub, Doctor of Science</td>
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<tr>
<td>December 1985</td>
<td>George J. Becker, Jr., Doctor of Public Service</td>
<td>December 2004</td>
<td>James Bacchus, Doctor of Public Service</td>
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<tr>
<td>May 1985</td>
<td>Jerry Collins, Doctor of Public Service</td>
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<td></td>
<td>John D. Holloway, Doctor of Public Service</td>
<td>December 2009</td>
<td>Charles Hard Townes, Doctor of Science</td>
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<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
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<td>May 1989</td>
<td>Frank M. Hubbard, Doctor of Public Service</td>
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<td>May 1989</td>
<td>David Albertson, Doctor of Humane Letters</td>
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<td>May 1990</td>
<td>William S. Jenkins, Doctor of Humane Letters</td>
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<tr>
<td>May 1990</td>
<td>James C. Robinson, Doctor of Public Service</td>
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<tr>
<td>May 1990</td>
<td>Charles N. Millican, Doctor of Laws</td>
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<tr>
<td>May 1991</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
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<tr>
<td>May 1991</td>
<td>Thaddeus Seymour, Doctor of Letters</td>
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<tr>
<td>May 1991</td>
<td>Roald Hoffmann, Doctor of Science</td>
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</tbody>
</table>
A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

BHC: Burnett Honors College

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BS/BS: 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.

Ct: consent of instructor.

Class Schedule Search: a component of the online myUCF system (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.

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.
Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator”, this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: a charge associated with some courses to cover items consumed within the field.

MEP: Major Exploration Program to assist students who are undecided about a major.

Minor: a complement to a bachelor’s degree program/ major requiring at least 18 credit hours in a field.

myUCF: the UCF/student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, PID (Personal Identification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights E-Mail account, telephone number, and permanent mailing addresses; search for courses each term; register, drop/swap, and add courses each term; pay fees; 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 wish to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student’s status upon acceptance into the program.)

PID: (Personal Identification Number): personal eight-digit code required when entering myUCF or the UCF Information Kiosks.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student’s UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar’s Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

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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